GARBAGE
Proposed Work

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 29, for receiving and removing ashes in borough. Contract No. 1502.

N. J., Glen Ridge—Borough Council will issue $15,000 bonds for garbage incinerating plant. Action calling for election to be held Dec. 23 rescinded. Noted Dec. 9.

Penn., Swissvale—Bids will be received until 7 p.m., Jan. 10, by W. H. Garrett, Secy., for collection and disposition of garbage in Borough of Edgewood.

STREETS AND ROADS
Proposed Work

N. Y., New York—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., Dec. 27, by Douglas Mathewson, Borough Pres., for improving Odell St. from Unionport Rd. to Starling Ave., Waterbury Ave. from Westchester to Zerega Ave., Newbold Ave. from Castle Hill to Zerega Ave. Noted Dec. 16.

N. Y., New York—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Borough Pres., until 11 a.m., Dec. 30, for repairing sidewalks on east side of Adams St. between Tillary and Johnson St. and 25 other locations in Heights district, south side of Amity St. between Columbia and Hicks St. and 22 other locations in Heights and Bay Ridge district; west side of Bradford St. between Sutter and Blake Ave. and 21 other locations in New Lots district; regulating and repaving with permanent asphalt pavement on 6-in. concrete base Surf Ave. from West Eighth to West 20th St.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 30, for wood-block pavement in team gangway and wagonway spaces of municipal ferryboats "Bayridge," "Gowanus" and "Nassau," Contract No. 1504. Noted Dec. 16.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 30, for wood-block pavement in team gangway and wagonway spaces of munilcpal ferryboats "Manhattan," "Brooklyn," "Queens," "Bronx" and "Richmond,' Contract No. 1505. Noted Dec. 16.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 30, for wood-block pavement in team gangway and wagonway spaces of municipal ferryboat 'Mayor Gaynor," Contract No. 1506. Noted Dec. 16.

N. Y., Oswego—Plans being prepared by E. A. Howard, County Supt., for improving 150 miles of highway. Estimated cost, $3,000 per mile.

N. Y., Rome—Bids will be received by W. W. Wotherspoon, State Supt. of Pub. Wks., Albany, until Jan. 11, for improving State Canal by building two connecting highways.

N. J., Atlantic City—(Official)—Bids will be received by Board of Chosen Freeholders of Atlantic County, Mays Landing Court House, until Jan. 1, for paving Meadow Blvd. between Atlantic City and Pleasantville. A. H. Nelson, Atlantic City, Consult. Engr. Noted Oct. 21.

N. J., Jersey City—Bids will be received until 11 a.m., Dec. 30, for improving Neptune Ave. from Hudson Blvd. to west of Romar Ave. with brick.

Va., Petersburg—Sum of $25,000 voted by Council as part of fund to be raised for highway between Petersburg and Hopewell.

W. Va., Kingwood—Election will be held Jan. 25 in Preston County, Kingwood District, to vote on $250,000 bonds for road improvements. Noted Nov. 25.

N. C., Concord—City plans to pave Church St. with asphalt from East Buffalo to Mt. Marys St.

N. C., Greensboro—Bonds for $50,000 voted by citizens for street improvements. Noted Nov. 25.

N. C., High Point—Election will be held to vote on $50,000 bonds for improving streets.

N. C., Salisbury—See item under "Sewers."

S. C., Florence—Bids will be received by J. Newton Johnson, Comr. of Streets, until Jan. 11, for paving and constructing sidewalks, C. H. Carlisle, City Engr.

S. C., Greenville—City contemplates paving portions of Westfield, Church and Pettigrue St. and Green Ave., also sidewalks on McCall and Academy St.

Fla., Bradentown—See item under "Bridges."

Fla., Ft. Pierce—See item under "Water-Works."

Ala., Camden—Citizens voted $4,250 bonds for street improvements. E. B. Kay, Tuscaloosa, Engr.

Ala., Dadeville—Bids will be received until Jan. 12 by Commissioners of Tallapoosa County for road from Dadeville to Chambers County line, 14 miles, from Alexander to Dadeville, 14 miles, and from Camp Hill to East Tallassee Highway, 10 miles.

Ala., Huntsville—Bids will be received by M. S. Bingham, Rd. Superv., until Jan. 4, for 2¼ mi. of waterbound macadam road.

Miss., Columbus—Bonds for $85,000 sold by Board of Supervisors of Lowndes County for road improvements.

Ky., Owensboro—Commissioners of Daviess County contemplate expenditure of $50,000 for road construction next year.

Ohio, Hillsboro—(Official)—Bonds for $7,550 sold for road construction. John F. Ridgway, County Audr. Noted Dec. 2.

Ind., Bedford—Bids will be received by E. W. Edwards, Audr., Comrs. of Lawrence County, until 1 p.m., Jan. 4, for roads in Bond Pleasant Run, Shawswick and Guthrie Townships.

Ind., Bloomfield—Bids will be received by G. E. Kidd, Audr., Comrs. of Greene County, until 2 p.m., Dec. 30, for macadamized road in Fairfield Township.

Ind., Bloomington—Bids will be received until 2 p.m., Jan. 4, by W. F. Kinser, Audr., Comrs. of Monroe County, for road in Bloomington Township.

Ind., Boonville—Bids will be received by G. H. Bass, Audr., Comrs. of Warrick County, until 10 a.m., Jan. 4, for two rock roads in Ohio Township.

Ind., Fowler—Bids will be received by W. Mankey, Audr., Comrs. of Benton County, until 1 p.m., Jan. 3, for roads in Grant, Center and Bolivar Townships.

Ind., Goshen—Bids will be received until 10 a.m., Jan. 3, by J. W. Brown, Audr., Comrs. of Elkhart County, for roads in Concord and Harrison Townships.

Ind., Lebanon—Bids will be received by D. M. Clark, Audr., Comrs. of Boone County, until 2 p.m., Jan. 4, for four roads.

Ind., Monticello—Bids will be received by A. G. Fisher, Audr., Comrs. of White County, until 10 a.m., Jan. 4, for road in Monon Township.

Ind., Newport—Bids will be received until 10 a.m., Jan. 3, by R. Slater, Audr., Comrs. of Vermilion County, for road in Clinton Township.

Ind., Paoli—Bids will be received by E. A. Palmer, Audr., Comrs. of Orange County, until 2 p.m., Dec. 31, for road in Northeast Township.

Ind., Shelbyville—Bids will be received by F. W. Fagel, Audr., Comrs. of Shelby County, until 10 a.m., Jan. 5, for road in Liberty Township.

Ind., Spencer—Bids will be received by George W. Stwalley, Audr., Comrs. of Owen County, until 2 p.m., Jan. 4, for gravel roads in Marion and Jackson Townships.

Ind., Vevay—Bids will be received by J. W. Smith, Audr., Comrs. of Switzerland County, until 1 p.m., Jan. 3, for road in York Township.

Ind., Vincennes—Bids will be received until 2 p.m., Jan. 4, by J. I. Muentzer, Audr., Comrs. of Knox County, for gravel roads in Palmyra and Buseron Townships.

Ind., Williamsport—Bids will be received until 2 p.m., Jan. 3, by D. H. Moffit, Audr., Comrs. of Warren County, for four roads.

Ind., Winamac—Bids will be received until noon, Jan. 4, by W. E. Munchenberg, Audr., Comrs. of Pulaski County, for gravel road.

Ill., Edwardsville—Board of Trade, Alton, interested in proposition to induce Madison County to create $1,000,000 bond issue for roads in county in connection with State-Aid Fund.

Ill., Evanston—(Official)—Bids will be received by H. P. Pearsons, Pres., Bd. of Local Improvements, City Hall, until 8 p.m., Jan. 17, for paving, with brick on concrete, portions of Simpson and Bridge St., Leon Pl., Asbury Ave., Grant St., Noyes St., Leonard Pl., Washington Pl., Wesley, Jackson and Ashland Ave. and Payne St. (See adv.)

Ill., Evanston—(Official)—Bids will be received by H. P. Pearsons, Pres. of Bd. of Local Improvements, City Hall, until 8 p.m., Jan. 17, for paving with brick on concrete portions of Bridge and Payne St., County Rd., Noyes St., Dodge Ave., Grant St., Brown, Grey and Hartray Ave. and Pioneer Rd. (See adv.)

Wis., Milwaukee—City appropriated $300,000 for Lake Shore Drive to be built in 1916.

Iowa, Ames—Bids will soon be received for approximately 110 blocks of paving. J. B. Wickham, City Engr.

Iowa, Ft. Madison—City contemplates 18,000 sq.yd. concrete paving, 18,300 sq.yd. brick paving, and 13,000 lin.ft. concrete curb and gutter. R. J. Lewis, City Engr.

Iowa, Greenfield—(Official)—Bids will be received by H. G. Spooner, Town Clk., until 7 p.m., Jan. 20, for about 25,000 yd. paving, 16,000 ft. curbing and small amount of storm-sewer work.

Minn., Windom—County contemplates expenditure of $30,000 next year for road improvements. D. R. Savage, County Rd. Engr.

Kan., Olathe—Bids will be received until noon, Dec. 27, by G. Z. Erns, Clk., for grading and macadamizing hill on either side of Cedar Creek.

Neb., Omaha—Election will be held in Douglas County Apr. 18 to vote on $2,000,000 bonds for road improvements.

Mo., Chillicothe—Bids will soon be received for paving Calhoun St. from Dickenson to Sunset Ave. J. O. Broaddus, City Engr.

Mo., Seymour—Bids will be received until Jan. 5 by Seymour Special Road District for improving roads. Estimated cost, $30,000.

Mo., Waverly—Citizens of Waverly Special Road District voted $49,000 bonds for rock road.

Ark., Harrisburg—Plans being prepared by Morgan Engineering Co., Memphis, Tenn., for seven-mile macadam road for Poinsett County.

Tex., Athens—Commissioners of Henderson County contemplate election to vote on $100,000 bonds for road construction.

Tex., Bastrop—Bastrop County Road District No. 2 will issue $50,000 bonds for road construction.

Tex., Big Sandy—Citizens voted $75,000 bonds for roads.

Tex., Fredericksburg—Citizens of Gillespie County defeated $300,000 bonds for roads. Noted Oct. 21.

Tex., Gilmer—Bonds for $75,000 voted by citizens for roads in Upshur County, Justice Precinct No. 7. Noted Nov. 25.

Tex., Gonzales—Election will be held Feb. 5 to vote on $75,000 bonds for roads in Gonzales County, Road District No. 2.

Okla., Mounds—Election will be held Dec. 28 to vote on $100,000 bonds for road construction.

Idaho, Boise—S. M. Booth, State Highway Engr., preparing plans for 135 mi. of State-Aid highways.

Idaho, Wallace—Commissioners of Kootenai County have agreed to contribute $15,000 toward proposed boulevard through Fourth of July Cañon to connect national highway through Wallace and Cœur d'Alene with Apple Way leading to Spokane. Estimated cost, $45,000. Noted Nov. 4.

Wash., Chehalis—Preliminary surveys made by Lewis County for hard surfacing pavement to be built next year.

Wash., Everett—Election will be held Dec. 28 to vote on bonds for road work in Snohomish County.

Wash., Pomeroy—City Council plans to pave two principal streeets of city.

Ore., Gresham—Commissioners of Multomah County contemplate appropriation of $50,000 for hard surface highway from Gresham to Fairview.

Ore., Hood River—Appropriation of $60,000 made by County Court for road work in 1916.

Ore., Marshfield—Citizens of McKinley Road District plan to raise $19,600 for road work.

Ore., The Dalles—Bids will be received by County Court until Jan. 6 for constructing two roads.

Que., Montreal—Bids will be received until noon, Dec. 27, by Board of Commissioners, City Hall, for furnishing and delivering 70,000 lin.ft. straight curbstone, 3,500 lin.ft. circular curbstone, 15,000 lin.ft. straight granite curb and 750 lin.ft. circular granite curb.

Ont., Ottawa—City Council authorized widening of Rosemont Ave. Estimated cost, $18,111.

Ont., Ottawa—City Council authorized expenditure of $77,660 for paving portion of Rideau St. with wood-block and asphalt and wood-block pavement. F. C. Askwith, Engr.

Bids In and Contracts Awarded

Mass., Gloucester—Contract for road construction awarded by State Highway Commission, Boston, to T. A. MOYNIHAN, South Hamilton, at $30,423.

Mass., New Braintree—State Highway Commission, Boston, awarded contract for road construction to COLUMBUS CONSTRUCTION CO., 16 Foster St., Boston, at $7,790.

N. Y., Buffalo—GERMAN ROCK ASPHALT AND CEMENT CO., D. S. Morgan Bldg., Buffalo, at $13,140, awarded contract for paving Peckham St. Noted Nov. 4.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for regulating and repaving 151st St. from west side of Seventh Ave. to east side of McCombs Pl. awarded to UVALDE ASPHALT PAVING CO., New York, at $4,329. Noted Dec. 2 and 9.

N. Y., Yonkers—HANNIFAN CO., at $8,498, awarded contract for improving Ellsworth Ave. and at $6,297, for Amberson Ave.

N. J., Bayonne—Contract for improving Avenue A awarded to ILLINOIS SURETY CO., 170 Broadway, New York, N. Y., at $6,668.

N. J., Hackensack—FRANKLIN VAN RODEN, East Rutherford, at $18,560, awarded contract for improving Meadow Rd. and Rutherford Ave.

W. Va., Charleston—W. D. WEAVER, Charleston, at $33,237, awarded contract for 1¾ miles of road, from Porter's Hollow to Kanawha City, by Commissioners of Kanawha County.

N. C., Westfield—C. C. JORDAN awarded contract for road construction in Westfield Township. About $30,000 available for road work.

Fla., Arcadia—Contract for 36 miles of road awarded to J. W. FARR, Wauchula, at $42,806, by Commissioners of De Soto County.

Ala., Bay Minette—L. C. ROLLINSON, Montgomery, at $5,774, awarded contract for first section of road from Point Clear to Fairhope; Abraham Bros. & Giddens, Montgomery, at $15,077, submitted lowest bid for second section. Noted Dec. 2.

Miss., Edwards—Contract for 6½ miles of gravel road awarded to HINDS COUNTY HIGHWAY CONSTRUCTION CO., Clinton, and T. JACKSON, Clinton. Noted Aug. 19 and Nov. 18.

Miss., Kosciusko—Contract for 39 miles of sand clay and two miles of gravel roads awarded to F. V. HARVEY & CO., Memphis, Tenn., at $38,008. Noted Oct. 28.

Tenn., Maryville—Contract for three miles of road in Blount County awarded to OLIVE & HILL, Knoxville.

Ky., Murray—C. D. McQUARRY, Adams, Tenn., at $7,460, awarded contract for first two miles of highway from Pine Bluff on Tennessee River toward Murray.

Ohio, Washington—(Official)—Contract for improving a number of streets awarded to GEORGE H. HEFFNER & SON, Celina, at $1.80 per sq.yd. Noted Dec. 9.

Ind., Brazil—PFIZENMAYER CONSTRUCTION CO., Terre Haute, at $1.17 and $1.35 per sq.yd. respectively, awarded contract for paving Blaine and Alabama St. with brick.

Mo., East St. Louis—(Official)—Meyer & Thomas, at $21,227, submitted lowest bid for paving Broadway from Third St. to St. Clair Rd. Noted Oct. 7.

Minn., Pine City—(Official)—Contract for Elwell Rd. awarded to C. J. PEARSON & CO., Sandstone, Minn., at $48,042. Noted Dec. 9.

Kan., Newton—Contract for paving about two miles on North and South Main St. awarded to A. JAICKS CONSTRUCTION CO., American Bank Bldg., Kansas City, Mo.

Mo., Kansas City—Contract for paving 17th and Belleview St. awarded to A. JAICKS CONSTRUCTION CO., American Bank Bldg., Kansas City, at $5,450 and $4,633, respectively.

Mo., Warrensburg—Contract for paving a number of streets with brick awarded to J. W. MENEFEE, Sedalia, Mo., at $1.56 per yd.

Tex., Houston—Horton & Horton, at $7,905, submitted lowest bid for paving a number of streets of city.

Tex., San Antonio—TEXAS BITULITHIC CO. awarded contract for paving River Ave. with bitulithic.

Colo., Del Porte—Contracts for eight miles of State Primary Rd. No. 60 awarded to J. E. SHEEHAN, Larkspur, at $9,685, for Section 1, and LOGAN & WEST, Pagosa Springs, at $8,460, for Section 2. Noted Dec. 2.

N. M., Roswell—Cleveland-Trinidad Co., Cleveland, Ohio, at $1.50 per sq.yd., submitted lowest bid for paving Fifth St. from Garden to Pennsylvania Ave.

Wash., Bellingham—Independent Asphalt Paving Co., at $5,062, submitted lowest bid for improving Kentucky St.

Wash., Bellingham—K. Sauset, at $6,321, submitted lowest bid for improving West Holly St. with brick with asphalt covering; J. M. Riddle, at $5,790, with brick without asphalt covering.

Wash., North Yakima—CASCADE CONSTRUCTION CO., Seattle, at $4,935, submitted lowest bid for Permanent Highway No. 17. Noted Dec. 16.

Wash., Seattle—Contract for paving Hamlin St. awarded to P. J. McHUGH, Seattle, at $15,926.

Wash., Seattle—L. COLLUCCIO, 1642 Lane St., Seattle, at $6,352, awarded contract for grading 28th Ave., N. E.

Wash., Seattle—CITY CONTRACTING CO., 1319 21st Ave., S., Seattle, at $27,115, awarded contract for paving Western Ave.

Ore., Portland—Contract for paving Union Ave. from Bryant St. to Columbia Blvd. awarded to OREGON INDEPENDENT CO., at $29,950.

Ore., Portland—Contract for paving East 28th St. and Francis Ave. District in Kenilworth awarded to OREGON HASSAM PAVING CO., at $41,366.

Calif., El Centro—(Official)Bids were received Dec. 6 by State Highway Commission, Sacramento, for 12 miles of concrete highway between Dixieland and El Centro as follows: Fred Hoffman, Long Beach, $72,089; Doran, Armstrong & Daley, San Diego, $83,099; Mesmer & Rice, Los Angeles, $87,512. Noted Nov. 25.

Calif., Ontario—Contract for paving A St. and Bon View Ave. awarded to J. L. FRAZER, Long Beach, at $21,634.

Calif., Richmond—Contract for improving a number of streets awarded to MUNICIPAL IMPROVEMENT CO., 803 Macdonald Ave., Richmond, at $7,006.

Calif., Salinas—Contract for Castroville-Monterey Rd. awarded to GRANITE ROCK CO. at $38,542.

Calif., San Francisco—Contract for improving 24th Ave. awarded to OWEN McHUGH at $9,979.

INDUSTRIAL WORKS

Proposed Work

Maine, Waterville—J. E. McCormick & Son leased property at Waterville and will build two-story, 40x150-ft. warehouse. Estimated cost, $12,000.

Mass., Boston—(Allston)—Plans being prepared for automobile warehouse on Commonwealth Ave. for George Grow. Estimated cost, $150,000.

Mass., Malden—H. H. Kelley Co., 230 Purchase St., Boston, will build two-story, 40x120-ft. factory. McNaughton & Robinson, 101 Tremont St., Boston, Arch.

Mass., Worcester—Plans prepared by E. T. Chapin, Arch., for three-story, 60x100-ft. addition to plant of New England Corset Co.

R. I., Providence—Terminal Warehouse Co. will build one-story, 100x300-ft. addition to warehouse on Allens Ave.

Conn., Putnam—Manhasset Manufacturing Co. will build two-story, 120x180-ft. addition to plant on Canal St.

N. Y., Bath—Borden Condensed Milk Co. will establish plant at Bath. Estimated cost from $20,000 to $25,000.

N. J., Elizabethport—(Elizabeth post office)—Bids will soon be received for two-story machine shop for S. L. Moore Son Corporation. Estimated cost, $160,000. Ring, Cleaves, Graham Co., 280 North Broad St., Elizabeth, Arch.

N. J., Trenton—Plans prepared for three-story, 200x350-ft. addition to plant of Ajax-Grieb Rubber Co. Samuel M. Green Co., Arch. Noted Sept. 30.

Penn., Conteaville—Midvale Steel and Ordnance Co. will construct additions to its plant. Estimated cost, $6,000,000.

Penn., New Galilee—Beaver Clay Co., Beaver, will build plant. Estimated cost, $100,000. Mitchel Baker, Beaver, Engr.

Penn., Philadelphia—Belmont Iron Works plans 92x108-ft. hammer shop at Milnor and Bleight St. Estimated cost, $10,000.

Penn., Philadelphia—Bids will soon be received for three- or four-story mill and power house at Reed, Dickinson, 25th and 26th St. for S. B. & B. W. Fleisher, Eighth and Chestnut St. William Steel & Sons Co., 1600 Arch St., Philadelphia, Arch. Noted Dec. 9.

Penn., Westfield—Preliminary plans being prepared by Pierce & Bickford, Arch., 118 Lake St., Elmira, N. Y., for two-story, 50x200-ft. welt house for Everly Tannery. Estimated cost, $30,000.

D. C., Washington—Plans being prepared for two-story, 55x145-ft. garage for Thomas W. Smith. Estimated cost, $30,000.

Va., Lynchburg—Lynchburg Diamond Ice Co. will build warehouse. G. A. Barnett, Mgr.

Va., Norfolk—S. D. Scott & Co. will rebuild grain elevator recently destroyed by fire.

Va., Norfolk—Plans being prepared by B. F. Mitchell, Norfolk, for three-story, 128x166-ft. warehouse on Dunmore St. for Southgate Terminal Corporation.

W. Va., Wheeling—Wheeling Steel and Iron Co. contemplates combination sheet and bar mill. Estimated cost, $200,000. I. M. Scott, Pres., Main and South St., Wheeling.

S. C., Woodruff—Woodruff Cotton Mills will build four-story, 80x124-ft. addition to plant.

Fla., Jacksonville—Eagle Film Manufacturing and Producing Co. will build plant at Jacksonville. M. F. Kellt, Supt. local plant.

Fla., Miami—Coöperative Ice and Cold Storage Co. will build cold-storage plant.

Fla., Mulberry—Mulberry Explosives and Supply Co. will build 50x120-ft. plant. Amos H. Norris, Mgr.

Tenn., Bristol—G. L. Archeuline will build abattoir. Estimated cost, $60,000.

Tenn., Bristol—Bristol Grocery Co. will erect building at Bristol. Estimated cost, $50,000.

Tenn., Chattanooga—Cameron & Barr Co. contemplates bakery. Estimated cost, $55,000.

Ohio, Celina—(Official)—Bids will be received until Jan. 3 for addition to plant of Mersman Bros. & Brandt. Estimated cost, $15,000. Noted Dec. 2.

Ohio, Cleveland—Abbott Realty Co., 5606 Euclid Ave., Cleveland, will build factory and office building at East 61st St. and Euclid Ave. Estimated cost, $100,000.

Ohio, Cleveland—Preliminary plans being prepared for two-story factory for Cleveland Galvanizing Works. W. J. Carter, 1423 Illuminating Bldg., Cleveland, Arch.

Ohio, Cleveland—Sheriff Street Market and Cold Storage Co. plans to build cold-storage plant. Estimated cost, $500,000.

Ohio, Collinwood—Plans being prepared for one-story, 75x225-ft. and 75x100-ft. forging plant for Horsburgh Forging Co.

Ohio, Martins Ferry—It is reported that American Seamless Tube Co., Inc., will build plant. Estimated cost, $2,000,000.

Ohio, Martins Ferry—La Belle Box Co. contemplates building two-story box factory. Estimated cost, $25,000. Martin L. Maxwell, Mgr.

Ohio, Toledo—Toledo Furnace Co. plans blast furnace and steel plant. Estimated cost, $5,000,000.

Ind., Rushville—National Serum Co. purchased site at Rushville and will build plant. Estimated cost, $100,000.

Mich., Kalamazoo—Riverview Coated Paper Co. will build plant. Estimated cost, $400,000.

Ill., Chicago—Plans being prepared for four-story factory for American Ever Ready Works. S. Scott Joy, 1118 West 35th St., Chicago, Arch.

Ill., Chicago—Plans being prepared by S. Scott Joy, Arch., 1118 West 35th St., Chicago, for four-story factory for Central Bag Manufacturing Co., 1545 West 35th St.

Ill., North Chicago—Pfanstiehl Electric Laboratory contemplates building two-story, 35x130-ft. factory. Carl Pfanstiehl, Pres.

Ill., Watertown—Bids will be received until 3 p.m., Dec. 27, by Frank D. Whipp, Fiscal Superv. Bd. of Administration, for addition to laundry of Watertown State Hospital.

Wis., De Pere—Bids will be received in spring for two-story, 60x106-ft. factory for Western Steel and Iron Works.

Wis., Madison—Preliminary plans being prepared for plant for French Battery and Carbon Co. J. B. Ramsey, Pres.

Wis., Manitowoc—Plans being prepared for three-story, 60x80-ft. warehouse for J. F. Kapple & Co., South 15th St. Juul & Sixta, 107 North Eighth St., Manitowoc, Arch.

Wis., Milwaukee—Plans being prepared by F. W. Andree, Arch., 77 Cawker Bldg., Milwaukee, for four-story, 75x150-ft. manufacturing building for Wallace Realty Co.

Wis., New Richmond—Bids will be received about Dec. 27 by Gardner & Linberg, Arch., 140 South Dearborn St., Chicago, Ill., for three-story, 80x120-ft. reinforced-concrete packing plant for Inter-County Coöperative Packing Co. Estimated cost, $100,000. Noted Nov. 11.

Wis., Oshkosh—(Official)—Bids will soon be received for two-story, 40x80-ft. factory for Carver Ice Cream Co., 714 South Main St. Fluor Bros. Construction Co., 511 State St., Arch. Estimated cost, $15,000. Noted Dec. 16.

Wis., Sheboygan—Gutsch Brewing Co. will rebuild brewery recently destroyed by fire. Estimated cost, $20,000.

Iowa, Creston—It is reported that Charles B. Elliot, local agent for Ford Motor Co. plans two-story brick garage at West Mills and Maple St. Estimated cost, $15,000.

Iowa, Des Moines—Marks Hat Co. will build two-story, 44x150-ft. addition to factory at 213 Third St. Estimated cost, $20,000.

Minn., Hopkins—Plans prepared for one-story, 100x290-ft. plant for American Improved Seat Co. Haugen & Newstrom, Iron Exchange Bldg., Minneapolis, Arch. Noted Oct. 14.

Minn., Mankota—Plans prepared for two-story, 66x130-ft. factory for Hugo Shirt Co. Estimated cost, $18,000.

Minn., St. Paul—American Can Co., 747 North Prior Ave., will build addition to plant in Midway District. Estimated cost, $100,000.

Minn., St. Paul—(Official)—Bids will be received about Jan. 10 by C. H. Johnson, Arch., 715 Capital Bank Bldg., St. Paul, for three-story, 100x150-ft. plant for Brown, Blodgett & Sperry Co. Noted Dec. 9.

Minn., St. Paul—Chevrolet Motor Car Co., Flint, Mich., will build assembling plant at St. Paul. Estimated cost, $300,000.

Minn., St. Paul—Lead Coating Manufacturing Co., subsidiary of Brown Sheet Iron and Steel Co., will build plant at Berry and Pearl St. Estimated cost, $100,000.

Minn., St. Paul—F. G. Leslie Paper Co. will erect building at 248 East Fourth St. Estimated cost, $250,000.

Kan., Augusta—It is reported that Wichita Ice and Cold Storage Co. will build ice plant and cold-storage house. Estimated cost, $12,000.

Kan., Osborne—Plans being prepared for ice plant for H. B. Vinning, 503 Finance Bldg., Kansas City.

Kan., Overland Park—Swanson St. Joseph Plow Manufacturing Co. will build factory. Estimated cost, $15,000. H. S. Swanson, Pres.

Wyo., Lowell—Big Horn Basin Sugar Co., branch of Great Western Sugar Co., Denver, Colo., will build factory at Lowell.

Mont., Livingston—Charles Garnier, Sr., contemplates building cigar factory.

Mo., St. Louis—Plans being prepared by T. P. Barnett Co., Central National Bank Bldg., St. Louis, Arch., for ten-story factory for Blanton Co.

Mo., St. Louis—Brilliant Sign Co. purchased site at St. Louis, and will build four-story plant.

Tex., Abilene—See item under "Buildings."

Tex., Beaumont—Plans being prepared for two-story building at Park and Washington St., for Phelan-Josey Grocery Co. Estimated cost, $40,000.

Tex., Dallas—(Official)—Bids will be received until Jan. 10 for mattress factory for T. B. Burnett & Co. Estimated cost, $65,000. Noted Dec. 9.

Tex., Dallas—Pierce-Fordyce Oil Association will build warehouse. Estimated cost, $38,000.

Tex., El Paso—Perry-Kirkpatrick Co. will erect warehouse. Estimated cost, $18,000.

Tex., Ft. Worth—John B. Laneri will build two-story, 60x100-ft. warehouse on East Elizabeth St. Estimated cost, $14,000.

Tex., Laredo—North Laredo Packing Co. plans to build cold-storage and pre-cooling plant.

Tex., Tyler—Tyler Ice Co. plans two-story, 38x112-ft. brick and concrete factory.

Tex., Waxahachie—Waxahachie Cotton Mill will build two-story, 57x150-ft. addition to factory.

Okla., Altus—It is reported that Interstate Compress Co. will rebuild its plant recently destroyed by fire. Estimated cost, $100,000.

Okla., Tulsa—Right Way Laundry will build laundry. Estimated cost, $10,000.

Colo., Buena Vista—(Official)—Bids will be received until Jan. 30 for smelting and cyanide plant for National Manufacturing and Constructing Co. Estimated cost, $150,000. Noted Dec. 2.

Colo., Pueblo—Weaver Investment Co. will build garage on Ninth St. Estimated cost, $25,000. R. J. Weaver, Pres.

Idaho, Filer—Volger Seed Co., Salt Lake City, Utah, purchased site at Filer and will build warehouse and grain elevator.

Utah, Brigham—Utah-Idaho Sugar Co. will build factory. Estimated cost, $1,000,000.

Wash., Spokane—Plans prepared for five-story, 100x150-ft. warehouse for E. H. Stanton Co. Estimated cost, $100,000.

Wash., Spokane—Reported that Western Soap Co. plans to enlarge factory. Estimated cost, $20,000.

Ore., Albany—Plans prepared for mill for Thomas Pulp and Paper Co. Estimated cost, $750,000. Noted Oct. 7.

Ore., Oregon City—Hawley Pulp and Paper Co. plans addition to mill. Estimated cost, $500,000. W. P. Hawley, Sr., Pres.

Calif., San Francisco—Ford Motor Co. will build five-story reinforced-concrete addition to assembling plant at 21st and Harrison St. J. B. Lund, Mgr.

Ont., Hamilton—Canadian Cartridge Co., Ltd., will enlarge its plant and install new equipment. Estimated cost, $500,000. F. W. Bathlie, Pres.

Ont., Hamilton—Steel Co. of Canada will build additions to plant.

Ont., Toronto—W. H. Harris will build warehouse on Richmond St. Estimated cost, $18,000.

B. C., Port Moody—Plans being prepared for steel plant for Port Moody Steel Works, Ltd. Noted Nov. 28.

Bids In and Contracts Awarded

Mass., Everett—Broad Gauge Iron Works, 77 Portland St., Boston, awarded contract for factory at Everett to CLARK & LEE, 201 Devonshire St., Boston. Estimated cost, $12,000.

Mass., Worcester—Contract awarded to E. J. CROSS CO., 82 Foster St., Worcester, for four-story, 63x106-ft. concrete mill for Worcester Woolen Co. Noted Nov. 18.

R. I., Woonsocket—Contract for four-story, 120x278-ft. addition to Nyanaza Mills, two-story, 100x130-ft. picker room and four-story, 68x100-ft. store room awarded to TORRINGTON BUILDING CO., Torrington, Conn.

Conn., Stamford—(Official)—Contract for rolling mill on Fairfield Ave. for American Cupro Nickel Co. awarded to S. A. GREGORY, Stamford. Estimated cost, $20,000. Noted Dec. 16.

N. Y., Buffalo—Contract awarded to SCHAFF CO., Mutual Life Bldg., Buffalo, for garage for Charles M. Peabody, 588 Main St. Estimated cost, $20,000. Noted Dec. 16.

N. Y., Rochester—Best Yet Laundry Co. awarded contract for two-story, 55x138-ft. laundry to J. L. STEWART, 126 North Water St., Rochester.

N. Y., Rochester—Contract for one-story, 168x264-ft. factory for North East Electric Co. awarded to A. LINK, 654 South Ave., Rochester. Estimated cost, $20,000.

N. Y., Rochester—Rochester Motor Co. awarded contract for one-story, 62x150-ft. plant to DUNNING & SCOTT, 53 Ardmore St., Rochester. Estimated cost, $10,000.

N. Y., Syracuse—Contract awarded to D. W. NICHOLSON, 514 Turtle St., Syracuse, for 70x140-ft. plant for Crucible Steel Co. of America. Estimated cost, $15,000.

N. Y., Syracuse—Syracuse Malleable Iron Works awarded contracts for one-story, 110x150-ft. foundry to WILLIAMS BRIDGE CO., for structural steel and iron and to DAWSON BROS., for masonry.

N. J., Newark—Contract for bottling plant on Waverly Ave. for Seiler Bros., Inc., awarded to WILLIAM G. SHARWELL & CO., at $29,950.

Penn., Berwyn—Contract for ice-storage building for Bryn Mawr Ice Manufacturing Co., Bryn Mawr, Philadelphia, awarded to HERMAN VOIGHT, Philadelphia.

Penn., Philadelphia—Contract for one-story, 60x550-ft. machine shop for Midvale Steel Co. awarded to BARCLAY WHITE CO., Perry Bldg., Philadelphia.

Penn., Philadelphia—General contract for four-story, 54x192-ft. factory for Schaum & Uhlinger, Inc., awarded to WILLIAM STEELE & SONS CO., 1600 Arch St., Philadelphia. Estimated cost, $15,000.

Penn., Philadelphia—Contract awarded to A. RAYMOND RAFF, 1635 Thompson St., Philadelphia, for two-story, 50x100-ft. foundry for Schneider-Bowman Co.

Penn., Philadelphia—Contract for seven-story factory at 10th and Filbert St. for Samuel Sternberger awarded to FREUND-SIEDENBACH CO., Bulletin Bldg. Estimated cost, $25,000.

Penn., Pottstown—Contract for two-story, 134x170-ft. plant for National Rubber Co., Pottstown, awarded to JAMES H. WELLS, Heed Bldg., Philadelphia. Estimated cost, $100,000. Noted Nov. 25.

Penn., South Bethlehem—Bethlehem Steel Co. awarded contract for concrete work for addition to machine shop No. 2 to WILLIAM STEELE & SONS CO., Arch St., Philadelphia, at about $100,000. Noted Sept. 23.

Del., Wilmington—Contract awarded to JOHN E. HEALY & SON for two-story, 50x100-ft. garage for L. McKee. Estimated cost, $20,000.

D. C., Washington—Contract for two-story, 33x130-ft. garage for John H. Schwarzmann awarded to M. A. WELLER, 814 14th St., Washington. Estimated cost, $15,000.

D. C., Washington—Contract for two-story, 30x60-ft. garage for R. E. Trimble and F. M. Clark awarded to JAMES C. MARSH. Estimated cost, $10,000.

D. C., Washington—Contract for one-story garage for J. H. Wurdemann awarded to RICHARDSON & BURGESS, Washington. Estimated cost, $15,000.

W. Va., Wheeling—Wheeling Mold and Foundry Co. awarded contract for two-story, 57x140-ft. addition to foundry to R. R. KITCHEN CO. Estimated cost, $10,000. Noted Sept. 23.

Ga., Atlanta—Contract awarded to SOUTHERN FERRO CONCRETE CO., Atlanta, for ice-storage house and shipping platform at Inman Yards for Atlantic Ice and Coal Corporation. Estimated cost, $25,000.

Ga., Augusta—General contract awarded to O. T. BROWN, Augusta, for two- and three-story, 76x146-ft. bakery for H. H. Claussen Baking Co. Estimated cost, $40,000.

Ky., Lexington—Chesapeake & Ohio Railway awarded contract to COMBS LUMBER CO., Lexington, for roundhouse, storehouse, office and club house in Netherland Yards. Estimated cost, $30,000.

Ohio, Columbus—Columbus Bank Note Co., 66 East Gay St., awarded contract for two-story reinforced-concrete factory at 46 East Spring St. to C. R. CURRAN CONSTRUCTION CO. Estimated cost, $16,000.

Ohio, Norwood—Contract awarded to FERRO CONCRETE CONSTRUCTION CO., Richmond and Harriet St., Cincinnati, for factory for Ault & Wiborg. Estimated cost, $75,000.

Ohio, Shadyside—Addition to plant of Belmont Casket Co. will be built by day labor. Estimated cost, $20,000. Noted Dec. 16.

Mich., Detroit—Detroit Battery Co. awarded masonry contract for three-story, 70x90-ft. factory to P. C. SCHULTZ.

Mich., Detroit—Regan & Jones Pie Co. awarded contract for one-story factory on Russell St. to OVERLAND CONSTRUCTION CO. Estimated cost, $14,000.

Ill., Chicago—Contract for five-story factory for J. N. Eisendrath Co. awarded to M. RAUEN, 111 West Washington St., Chicago.

Ill., Chicago—Contract for one-story garage at 5016 Cottage Grove Ave. for Louis Neroman awarded to HENRY ERICSON. Estimated cost, $18,000.

Ill., Chicago—Contract for five-story warehouse at 2114 Carroll Ave., for Vaughn & Bushnell awarded to R. SOLLITT & SONS. Estimated cost, $30,000.

Ill., Chicago—Contract awarded to A. T. KRAMER for one-story factory at 1515 Dayton St., for E. H. Wach. Estimated cost, $35,000.

Ill., Clearing—Wilson & Bennett Manufacturing Co. awarded contract for two-story, 100x200-ft. plant to PETER OLSON CO. Estimated cost, $55,000.

Ill., North Chicago—Contract for two tanneries for Wilder-Manning Co. awarded to JOHN H. SUTTER, 30 North La Salle St., North Chicago.

Wis., Racine—West Side Laundry Co. awarded contracts for laundry to BONDGARD & CHRISTENSEN, mason and concrete, and ROBERTS CO., cut stone. Estimated cost, $15,000.

Iowa, Des Moines—(Official)—Contract for three-story, 45x160-ft. warehouse for Farmers' Coöperative Products Co. awarded to BENSON & MARXER, Des Moines. Estimated cost, $40,000. Noted Dec. 16.

Minn., Rochester—Contract awarded to G. SCHWARTZ & CO., Rochester, for two-story, 74x95-ft. garage for Case Auto Co. Estimated cost, $20,000.

Mo., Kansas City—Nafziger Baking Co. will build two-story, 50x100-ft. bakery by day labor. Estimated cost, $40,000. Noted Nov. 11.

Mo., St. Louis—Contract for one-story, 78x131-ft. bottling shop for Griesedieck Bros. Brewing Co. awarded to J. H. REMMERS, 2040 Russell St., St. Louis.

Tex., Galveston—Contract for rebuilding packing plant of Armour & Co., recently destroyed by fire, awarded to [illegible] L. MOODY & CO., Chattanooga, Tenn. Estimated cost, $[illegible]. Noted Sept. 23.

Okla., El Reno—El Reno Mill and Elevator Co. awarded contract for additions to plant to LEHRACK CONTRACTING AND ENGINEERING CO., Kansas City, Mo. Estimated cost, $40,000.

Wash., Seattle—Bids were received Dec. 1 for four-story addition to warehouse on Whatcom Ave. for Port of Seattle Commission from Kiehl & Whipple, Central Bldg., Seattle, $32,867; Kieburtz & Smith, $35,600; Beers Building Co., $36,200. Noted Nov. 18.

Calif., Colton—Contract awarded to LEONARDT & PACK, H. W. Hellman Bldg., Los Angeles, for cold-storage plant and loading platform at Colton for Pacific Fruit Express Co. Estimated cost, $25,000.

Calif., San Francisco—Contract for three-story tobacco factory at Fourth and Brannan St. for John Bollman Co. awarded to LANGE & BERGSTROM, Sharon Bldg., San Francisco, at $135,000.

FEDERAL GOVERNMENT WORK

Proposed Work

R. I., Newport—Shelving, Racks, etc.—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Jan. 8, for metal shelving, portable steel racks, steel boxes, etc., at naval torpedo station, Newport, R. I.

W. Va., Wheeling—Power Houses—Bids will be received at U. S. Engineer Office, Wheeling District, Wheeling, until 11 a.m., Jan. 22, for fireproof power houses at Dams Nos. 16 and 17, Ohio River. (See adv.)

N. C., Shelby—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 26, for U. S. post office at Shelby.

Iowa, Washington—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 28, for U. S. post office at Washington.

Colo., Montrose—Canal Work—Bids will be received at office of U. S. Reclamation Service, Montrose, until 4 p.m., Jan. 18, for about 9½ mi. of Peach Valley Lateral, Uncompahgre Valley Project, vicinity of Austin. (See adv.)

Wash., Ellensburg—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 27, for U. S. post office at Ellensburg.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Brooklyn)—Dredging—Contract for dredging at navy yard awarded to COASTWISE DREDGING CO., Norfolk, Va., at 25⅞c. per cu.yd. Noted Nov. 18 and Dec. 16.

S. C. Charleston—Cranes—Contracts for shipbuildig equipment at Charleston awarded as follows: Cranes to McMYLER INTERSTATE CO., Bedford, Ohio, $23,490; ways to SIMONS-MAYRANT CO., Charleston, $19,073. Noted Oct. 14 and Nov. 25.

Fla., Pensacola—Paving—Contract for concrete pavement at navy aëronautic station, Pensacola, awarded to C. H. TURNER CO., Pensacola, at $9,489. Noted Nov. 11 and Dec. 9.

Ky., Louisville—Lock Bridges—Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis., at $23,717, submitted lowest bid for swing bridge over locks of Louisville and Portland Canal. Noted Nov. 11.

Mo., Moberly—Remodeling Post Office—Contract for remodeling post office at Moberly awarded to ORIGINAL CABINET CO., Evanston, Ill., at $31,450. Noted Sept. 23 and Oct. 21.

Tex., El Paso—Canal Work—U. S. Reclamation Service awarded contracts for canal work as follows: TOOHEY & JOHNSON, Phœnix, Ariz., at $23,000, for approximately 162,000 cu.yd. of earthwork for Leasburg Canal and Placache Branch Canal; H. E. WILLIAMS, El Paso, at $3,149, for earthwork on San Elizaro feed canal near Ysleta; JOHN MULLIGAN, El Paso, at $2,838, for earthwork on San Elizaro feed canal. Noted Oct. 28.

Hawaii, Pearl Harbor—Buildings—J. L. YOUNG, Honolulu, H. T., at $26,100, awarded contract for power house, operating building and double quarters for chief operators at Naval Station, Pearl Harbor. Noted Nov. 4 and 11 and Dec. 9.

Hawaii, Pearl Harbor—Marine Railway—Bids were received Dec. 18 for marine railway at naval station, Pearl Harbor, (a) structural steel ship cradle complete with rollers and roller frames delivered at bidder's plant, (b) same delivered at Pearl Harbor, (c) materials for construction of engine house delivered at bidder's plant, (d) same delivered at Pearl Harbor, (e) electrically driven hoist, wire rope, bilge block chains, etc., delivered at bidder's plant, (f) same delivered at Pearl Harbor, (g) piling and concrete work, including steel reinforcement and steel roller paths, etc., (h) erection of steel ship cradle, (i) erection of house for hoist, (j) erection of electrically driven hoist, as follows: Spalding Construction Co., San Francisco, Calif., (a) $24,337, (b) $30,446, (c) $3,334, (d) $4,485, (e) $38,110, (f) $48,102, (g) $45,173, (h) $6,363, (i) $1,400, (j) $1,750; Lenher Engineering Co., 100 Broadway, New York, N. Y., (e) $26,970; United States Steel Products Co., 30 Church St., New York, N. Y., (a) $21,906, (b) $26,578, (c) $3,000, (d) $3,680. Noted Oct. 21 and Nov. 25.

CANALS, DITCHES—IRRIGATION

Proposed Work

Mass., Boston—Dredging—Bids will be received until noon, Dec. 27, by Directors of Port of Boston for dredging 35,000 cu.yd. in Neponset River. Noted Oct. 7.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 29, for dredging slip on east side of Pier No. 21, East River, Contract No. 1487.

Fla., New Symrna—Drainage—Preliminary surveys being made by Isham Randolph & Co., Consult. Engr., Jacksonville, for draining about 43,000 acres for Lake Ashby Drainage District. Estimated cost, $300,000. Noted Dec. 2.

Iowa, Clarinda—Ditch—Bids will be received about Feb. 1 by C. W. Duke, Audr. of Page County, for ditch five miles long. A. S. Can Sandt, Engr.

Iowa, Emmetsburg—Drainage—Contracts will be awarded in March for drainage ditch for Des Moines River Valley. Estimated cost, $105,000. G. R. Campbell, Emmetsburg, Engr. Noted Dec. 9.

Minn., Walker—Ditch—Contract will be awarded about Feb. 2 for D. L. Frazier Ditch. Estimated cost, $29,000. A. W. Moulster, Pine River, Engr.-in.-charge.

Minn., Willmar—Ditch—Lake Lillian Judicial Ditch will be 60 miles long. Estimated cost, $143,954. John Norgaard, Granite Falls, Engr.

Kan., Topeka—Ditch—Bids will soon be received by East Side Drainage District for drainage ditch in Shungnunga Creek. G. E. Burnam, 1202 East Sixth St., Topeka, interested.

Ark., Marion—Canals—Plans being prepared by Willis A. Ayres, Memphis, Tenn., for canals and ditches in connection with Arkansas Drainage Districts. Estimated cost, $250,000.

Tex., Alpine—Irrigation—Jackson & Harmond will build pumping plant and irrigation system.

Tex., Ballinger—Irrigation—Anton Mika will install pumping plant on Colorado River and construct irrigation system to irrigate 150 acres.

Tex., Mercedes—Irrigation—John T. Beamer Co., Chicago, Ill., purchased holdings of American Rio Grande Land and Irrigation Co. and will construct pumping plant and extend irrigation-canal system. Estimated cost, $3,000,000.

Tex., San Antonio—(Official)—Irrigation—Plans prepared for reservoir and to install pumping plant to irrigate 3,017 acres in Leon Springs Valley, Bexar County, for Leon Springs Irrigation Co. Noted Nov. 25 under Leon Springs, Tex.

N. M., Columbus—Irrigation—M. L. Barringer will install irrigation pumping plant.

N. M., Dexter—Irrigation—H. W. Goodner plans to install irrigation pumping plant at Dexter.

Idaho, Caldwell—(Official)—Irrigation— Citizens defeated $27,000 bond issue in Caldwell Irrigation District for repairing and enlarging system. Noted Dec. 2.

Ariz., Walnut Grove—Dam—Plans prepared for reinforced-concrete dam across Hassayampa River to irrigate 17,600 acres for E. Whitman, Philadelphia, Penn.

Calif., Colusa—Irrigation—Blevins Mallon Ditch Co. applied to State Water Commission for permit to appropriate waters of Sacramento River to irrigate about 2,000 acres in Colusa County.

Calif, Colusa—Irrigation—Cheney Slough Irrigation District plans irrigation in Colusa County. B. H. Mitchell interested.

Calif., Paradise—Irrigation—Citizens petitioned Board of Supervisors for organization of irrigation district to build two storage reservoirs. Estimated cost, $150,000.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—P. Sanford Ross, Inc., 277 Washington St., Jersey City, N. J., at $0.30 per cu.yd., submitted only bid for dredging North River from 103 to 109th St., 33,000 cu.yd. Noted Dec. 9.

Ind., Ridgeville—(Official)—Ditch—Contract awarded to T. A. ERWIN, Greenville, Ohio, at $22,348, for ditch.

Iowa, Denison—Ditch—Contract awarded to LANA CONSTRUCTION CO., Council Bluffs, for laterals Nos. 1 and 2 of Boyer Ditch No. 1, and 13,000 cu.yd. excavation near Arion.

Minn., Bemidji — (Official) — Ditch — Contract for Judicial Ditch No. 36 awarded to JOHNSON & BAUNN, Superior, Wis., at $194,238. Noted Dec. 2.

Tex., Corpus Christi—Drainage—All bids received Dec. 6 for ditches for Drainage District No. 2, Nueces County, rejected as being too high. Noted Dec. 2 under Robstown, Tex.

Tex., Victoria—Drainage—Contract for improving Drainage District No. 3 awarded to J. B. ARPIN & DRAINAGE CO., Houston, at $126,188. Noted Sept. 30.

MISCELLANEOUS

Proposed Work

N. Y., Medina—Improving Dock Wall—Bids will soon be received by W. W. Wotherspoon, State Supt. of Pub. Wks., for improving dock wall and grading and resurfacing site near Church St.

N. Y., New York—(Official)—Steel Float—Contract will soon be awarded for steel float 110 ft. long by 50 ft. wide by 10 ft. deep, of ¼-, ⅜- and ½-in. plate, with channel iron framed interior. All to be knocked down ready for export shipment. Time of delivery, four-five months. Delivery east of Mississippi. (See adv.)

N. Y., New York—Steel Tubing—Sociedad General De Represenantaciones, Madrid, Spain, has a quantity of flush-joint steel tubing in the following sizes: 273x260x256; 283x 226x222; 104x193x191; 173x165x163; 149x138x136; 102x93x91. It can place orders immediately for from 3,000 to 10,000 of seamless flush-joint tubes in standard random lengths. Henry S. Moos, M. E., 30 Church St., New York, Gen. Mgr.

N. Y., New York—(Borough of Manhattan)—(Official)—Improvements to Radiographic Department—Bids will be received by Board of Trustees of Bellevue and Allied Hospitals, 415 East 26th St., until noon, Dec. 27, for constructing, erecting and completing changes in Radiographic Department of Pavilion K, Bellevue Hospital.

N. Y., New York—(Borough of Manhattan)—(Official)—Pier—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., until noon, Dec. 28, for widening pier at foot of West 57th St., North River, constructing shed foundations and laying concrete surface on piers at West 56th and West 57th St., North River, and bulkhead adjacent.

N. J., East Orange—Underground Cable—Bids will be received until 8 p.m., Jan. 4, by C. E. Mitchell, Pres. Fire Com., for five miles of underground cable.

N. J., Linden—Fire House—Town Council appropriated $20,000 for fire house at Wood and Morris Ave.

Penn., Philadelphia—Improving Pier No. 46—Bids will soon be received for improving Pier No. 46, south wharves for Pennsylvania R.R. Co. William H. Cookman, Arch.

W. Va., Huntington—Mausoleum—Plans will be prepared by J. K. Hall, Arch., for one-story mausoleum for West Virginia American Mausoleum Co., 631 National Exchange Bank Bldg., Wheeling. Estimated cost, $60,000.

Fla., Daytona—Pavilion—C. G. Burgoyne will build 150x 150-ft. pavilion with about 40-ft. extending over river.

Tenn., Cowan—Coaling Station—Nashville, Chatttanooga & St. Louis Ry. will build automatic coaling station. Louis H. McDonald, Ch. Engr.

Tenn., Knoxville—(Official)—Underpasses—Knox County Road Commission will construct five underpasses. E. J. Gorham, County Highway Engr. Noted Dec. 9.

Ohio, Cincinnati—Speedway—Plans will be prepared by Harry Hake, Arch., Telephone Bldg., Cincinnati, for speedway.

Ohio, Defiance—See item under "Railways."

Ohio, Portsmouth—(Official)—Flood-Protection Wall—All bids received Dec. 8 for flood-protection wall rejected. New bids will be received. Noted Dec. 2.

Ind., Bicknell—Coaling Station—Pennsylvania R.R. contemplates building coaling station. Estimated cost, $150,000.

Minn., Minneapolis — Coal Distributing Plant — Berwind Coal Co., Minneapolis, will build coal-distributing and storage plant on 29th St.

Minn., St. Paul—Steel Stairway—Bids will be received until 10:30 a.m., Dec. 27, by A. Hohenstein, Pur. Agt., for steel stairway on Hall Ave. between South Wabasha St. and Prospect Terrace. Noted Dec. 2.

Tex., Victoria—Fire Station—Plans prepared for two-story fire station. Estimated cost, $15,000.

Calif., Sacramento—Levee Repair—State Reclamation Board completed surveys for repairs and revetment of levee on east side of Sacramento River.

France, Avignon—Metal Products—A union of 15 French firms, in wholesale iron, steel, ironware and hardware business, buying together more than 25,000,000 francs yearly, is in market for all American metal products. Berton-Sicard, Avignon, interested.

Bids In and Contracts Awarded

Mass., Malden—Comfort Station—Contract for one-story comfort station awarded to AITED & McDUFFIE, 265 Pleasant St., Malden. Estimated cost, $15,000.

Conn., Riverside—Swimming Pool—Contract for swimming pool for A. Langeloth awarded to C. W. LUYSTER, JR., 35 Nassau St., New York, N. Y. Estimated cost, $12,000.

N. Y., New York—(Borough of Brooklyn)—Elevated Railway—New York Municipal Railway Corporation awarded contract for steel for additional tracks for Myrtle Ave. elevated railway from Willoughby Ave. to Palmetto St.; also for improvements on Luthern Cemetery line to BAYLY HIPKINS. Noted Oct. 21.

N. Y., New York—(Borough of Brooklyn)—Station—Lowest bids submitted for railroad station from Church Ave. to Malbone St., Brighton Beach Line, for New York Municipal Railway Corporation, 85 Clinton St., were as follows: Flick-Manuell Co., 11 Pine St., $1,039,000; Inter-Continental Construction Co., 215 Rogers Ave., $1,064,832; P. J. Carlin Construction Co., 1123 Broadway, $1,123,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Frogs and Switches—Contract for special work, Order No. 6, for use in construction of Rapid Transit Railroads, frogs and switches for Lexington Ave. line, awarded to RAMAPO IRON WORKS, 35 Church St., at $146,195. Noted Dec. 9.

New York, N. Y.—(Borough of Manhattan)—Subway—Contract for Section No. 2, Route Nos. 19 and 22, part of Southern Blvd. and Westchester branch of Lexington Ave. subway, awarded to FLICK, MANUELL CO., 11 Pine St., at $2,063,877. Noted Dec. 9.

Ill., Chicago—Bathhouse—Contract for two municipal bathhouses awarded to BAKKIN CONSTRUCTION CO. Estimated cost, $26,000.

Ill., Dixon—Service Tunnels—Contract for service tunnels for State Epileptic Colony awarded to HATCH & MONTAGUE, Niles, Mich., at $51,555.

Tex., Galveston—Filling—City awarded contract for seawall improvement filling to STANDARD AMERICAN DREDGING CO. A. T. Dickey, City Engr.

Wash., Seattle—Transit Shed—Seattle Port Commission awarded contract for transit shed No. 2, at East Waterway Terminal Project to MANHATTAN CONSTRUCTION CO., Seattle, at $34,760.

Ore., Portland—Tunnel—Contract for relining tunnel from Mocks Bottom under Columbia Park to Columbia Slough for Oregon-Washington R.R. and Navigation Co. awarded to GUTHRIE-McDOUGALL & CO., Portland. Estimated cost, $400,000. Noted Dec. 16.

Calif., Monrovia — Mausoleum — Contract for 40x80-ft. mausoleum for Monrovia Mausoleum Co., awarded to DAVIDSON CONSTRUCTION CO., Los Angeles, Calif. Estimated cost, $40,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous"

Maine, Islesboro—Plans being prepared by F. L. Savage, Bar Harbor, for hotel to replace Islesboro Inn. Estimated cost, $150,000.

Mass., Boston—(Roxbury)—Plans prepared by A. J. Carpenter, Jr., Arch., for one-story, 42x100-ft. synagogue for Shari Congregation. Estimated cost, $40,000.

Mass., Lynn—(Official)—Bids will be received about Feb. 1 by George A. Cornet, Comr. of Pub. Wks., for school on Conomo Ave. Estimated cost, $100,000. Noted Dec. 2.

R. I., Howard—Bids will be received until Jan. 6 by Board of Control and Supply for two-story, 40x160-ft. ward building for State Hospital for the Insane. Martin & Hall, 806 Union Trust Bldg., Howard, Arch.

R. I., Providence—R. I. Hospital Trust Co. plans to build an addition to bank.

R. I., Providence—Bids will be received by Board of Education until Jan. 15 for school. Estimated cost, $200,000. William R. Walker & Son, Providence, Arch. Noted Nov. 18.

Conn., East Hartford—Bids will be received by Wilson Potter, Arch., Union Sq., New York, N. Y., for high school. Estimated cost, $75,000. Noted Sept. 16.

N. Y., Buffalo—Lafayette Hotel Co. plans to build addition to hotel at Clinton and Washington St. Estimated cost, $48,000.

N. Y., Gloversville—(Official)—Bids will be received by City National Bank until Dec. 28 for one-story bank building. Estimated cost, $80,000. Noted Dec. 16.

N. Y., New York—(Borough of Brooklyn)—Trustees of Polytechnic Institute contemplate new buildings on Dyker Meadows site. Estimated cost, $600,000.

N. Y., Port Washington—Election will be held Jan. 7 to vote on $100,000 bonds for addition to high school. J. Hutchinson, Clk., Bd. of Education.

N. Y., Rifton—Plans prepared for three-story addition to hotel for H. Holding Realty Co. Girard L. Betz, 51 John St., Kingston, Arch.

N. Y., Rochester—Clinton-Mortimer Corporation will build motion-picture theater.

N. Y., Watertown—Plans will be prepared by C. M. Curtiss, Arch., Vinney Bldg., Syracuse, for remodeling Franklin Arcade Building into theater. Estimated cost, $50,000.

N. J., Atlantic City—Preliminary plans being prepared by Hoffman Co., Arch., Finance Bldg., Philadelphia, Penn., for ten-story hotel. Estimated cost, $600,000.

N. J., Atlantic City—Plans being prepared by Sewart G. Dobbins, Arch., 1318 Atlantic Ave., Atlantic City, for three-story, 350x670-ft. convention hall for Convention Hall Co. Estimated cost, $500,000.

N. J., Camden—Trustees of Public Library plans library in Cooper Sq. Estimated cost, $130,000.

N. J., Collingswood—C. S. Adams, Arch., 1509 Arch St., Philadelphia, Penn., preparing plans for three-story hospital and sanitorium. Estimated cost, $125,000.

N. J., Newark—Preliminary plans prepared for building on West St. for Foresters of America. Estimated cost, $80,000. Philip J. Schotland, Chn., Bldg. Com.

Penn., Carbondale—Owen McGlynn, Arch., Carbondale, will prepare plans for new high school. Estimated cost, $150,000. Noted Sept. 9 and 16.

Penn., Delaware Water Gap—Plans being prepared for rebuilding hotel for J. Purdy Cope, Atlantic City, N. J. Estimated cost, $50,000. S. Hudson Vaughn, Guarantee Trust Bldg., Atlantic City, N. J., Arch.

Penn., Eddystone—Plans will be prepared by G. H. Nattress & Son, Arch., 1129 Walnut St., Philadelphia, for three-story building for St. Lukes Protestant Episcopal Church.

Penn., Lancaster—Lancaster Theological Seminary will build dormitory. Estimated cost, $60,000.

Penn., Philadelphia—Bids will soon be received for four-story, 43x200-ft. store building for Blauners, Inc., 833 Market St. Estimated cost, $100,000. Hoffman Co., Finance Bldg., Philadelphia, Arch.

Penn., Pittsburgh—See item under "Sewers."

Penn., West Chester—Bids will soon be received for church for Methodist Episcopal Congregation. Wesley L. Blitho, 608 Chestnut St., Philadelphia, Arch.

Penn., Williamsport—Bids will be received about Jan. 10 by West Branch National Bank for one-story building. Estimated cost, $150,000. Mowbray & Uffinger, 56 Liberty St., New York, N. Y., Arch. Noted Nov. 18.

Md., Blue Mountain—J. Castelbery, 322 West Baltimore St., Baltimore, and C. S. Gardner, Blue Ridge Summit, Penn., interested in erection of hotel at Blue Mountain. Estimated cost, $300,000.

D. C., Washington—Plans being prepared by Snowden & Ashford, Municipal Arch., Municipal Bldg., for hospital at 14th and Upshur St. Estimated cost, $500,000.

D. C., Washington—Bids will soon be received by Reginald W. Geare, Arch., 327 Woodward Bldg., for three-story, 137x157-ft. theater for George T. Smallwood and I. Cassidy, 3520 16th St. Estimated cost, $80,000. Noted Dec. 2.

Va., Newport News—Plans being operated by B. F. Mitchell, Norfolk, for three-story, 54x126-ft. reinforced-concrete office building for Chesapeake & Ohio Railway. Estimated cost, $65,000.

W. Va., Charleston—Rev. P. J. Donohue, Bishop of Catholic Diocese of West Virginia, interested in construction of hospital. Estimated cost, $60,000.

W. Va., Fairmont—George T. Watson and associates will build hotel. Estimated cost, $300,000.

W. Va., Welch—McDowell Lodge No. 112, A. F. & A. M., will build four-story store, office and lodge building. Perkins & Garry, Bluefield, Arch.

N. C., Biltmore—Biltmore School District plans to build high school.

S. C., Columbia—Union Station Co. will improve passenger station. Estimated cost from $50,000 to $100,000. J. W. Wassum, Columbia, Secy.

Ga., Atlanta—Negro Y. M. C. A. will erect building. Estimated cost, $50,000.

Fla., Clearwater—Election will be held Feb. 3 to vote on $130,000 bonds for courthouse and jail for Pinellas County. Noted Dec. 2.

Fla., Miami—Y. M. C. A. will erect 90x140-ft. building. Estimated cost, $100,000. William S. Frost, Secy.

Miss., Columbus—Election will be held Feb. 1 to vote on $50,000 bonds for high school. Noted Nov. 18.

Ky., Louisville—Plans being prepared for building for Kentucky Athletic Club. Estimated cost, $100,000.

Ohio, Alliance—Plans being prepared by W. T. Miller Co., Arch., Columbus, for school.

Ohio, Bryan—Board of Education contemplates new school. Estimated cost, $40,000.

Ohio, Bucyrus—Charles J. Scriggs is organizing a company to build Masonic Temple. Estimated cost, $40,000.

Ohio, Bucyrus—Election will be held Jan. 14 to vote on $40,000 bonds for school for Tiro Consolidated School District. W. W. Davis, Secy. Bd. of Education.

Ohio, Cincinnati—Bids will soon be received for Catholic University on Dana Ave. Estimated cost, $75,000.

Ohio, Cleveland—(Official)—Bids will be received about Mar. 15 for additions to Memorial, East Clark and Tremont Schools. Estimated cost, $150,000. W. R. McCormack, Arch. Noted Dec. 16.

Ohio, Cleveland—Board of Education contemplates building two grade schools. Estimated cost, $200,000. S. E. Hyre, Clk. Bd. of Education.

Ohio, Cleveland—Plans being prepared for three and five-story, 87x114-ft. Masonic Temple for Newburgh Masonic Temple Co. Estimated cost, $65,000. W. J. Carter, 1423 Illuminating Bldg., Cleveland, Arch.

Ohio, Cleveland—Plans being prepared by Ferguson-Flanigan Co., Arch., Vickers Bldg., Cleveland, for eight-story building at St. Clair Ave. and East Third St. for Walton Realty Co.

Ohio, Columbus—Plans being prepared by Werner & Atkins, Cincinnati, for jail for Clinton County. Estimated cost, $350,000.

Ohio, Columbus—Plans being prepared by Richards, McCarty & Bulford, Arch., Hartman Bldg., Columbus, for four-story building at 31 North Fourth St., for H. C. Godman Shoe Co.

Ohio, Dennison—According to press reports plans are being considered for enlarging University of Dennison. C. W. Chamberlain, interested.

Ohio, Kent—Kent State Normal School will build dormitory at Kent. Estimated cost, $120,000.

Ohio, Tiffin—Plans prepared for dormitory for National Orphans Home.

Ohio, Tiro—Election will be held Jan. 24 to vote on $40,000 bonds for consolidated school.

Ohio, Toledo—Bids will be received by Clerk of Board of Education until noon, Jan. 10, for alterations and additions to Ironville School at Millard and Tiffin Ave.

Ohio, Toledo—Keith Co. will build theater in Toledo.

Ohio, Toledo—Edward D. Libbey and E. H. Close contemplate erecting building at Admane and Huron St. Estimated cost, $1,000,000.

Ohio, Waterville—Board of Education plans to build new high school.

Ohio, Wellsville—First Presbyterian Congregation will build church. Estimated cost, $68,000.

Ohio, Youngstown—Board of Education plans to build Pine Hollow grade school. Estimated cost, $73,000.

Ind., Clinton—County plans to build new hospital. Estimated cost, $50,000. S. N. Sellers, Chn. of Bldg. Com.

Ind., Ft. Wayne—Members of Christs Lutheran Church will build edifice next spring. Estimated cost, $50,000.

Ind., Peru—(Official)—Bids will be received in the spring for two-story city hall. Estimated cost, $125,000. Noted Nov. 18.

Ind., Vincennes—Tentative plans prepared by J. W. Gaedis, Arch., for school. Estimated cost, $138,000. J. W. McCoy, Secy. of School Bd.

Mich., Detroit—Congregation of North Woodward Ave. Methodist Church plans to build new edifice. Estimated cost, $200,000. Fred L. Cook, Pres. of Bd. of Trustees.

Mich., Grand Rapids—Press reports state that seven-story hotel will be built at Sheldon Ave. and Oakes St. A. Brown, 501 Paris Ave., S. E., interested.

Mich., Grand Rapids—Plans being prepared by J. & G. Daverman, Arch., for hospital at Bristol Ave. and Fourth St. for Christian Psycopathic Hospital.

Ill., Freeport—Plans prepared for eight-story hotel for Freeport Hotel Co. Estimated cost, $500,000.

Ill., Woodriver—Board of Education plans to build school. Estimated cost, $50,000.

Wis., Appleton—Plans prepared for girl's dormitory at Lawrence College. Estimated cost, $70,000.

Wis., Eau Claire—Citizens voted $85,000 bonds for municipal auditorium. Noted Dec. 2.

Wis., Madison—E. C. Bracken, 753 East Johnson St., plans to build theater and office building. Estimated cost, $90,000.

Wis., Racine—Manufacturers' National Bank of Racine plans to build bank and office building during 1916. Estimated cost, $150,000.

Iowa, Cedar Rapids—Citizens contemplate coliseum. Estimated cost, $125,000.

Iowa, Des Moines—Board of Education contemplates high school on Park Ave. J. W. Studebaker, Supt.

Idaho, Idaho Falls—Commissioners of Bonneville County contemplate court house. Estimated cost, $60,000.

Iowa, Muscatine—First Baptist Congregation will build church at Muscatine. Estimated cost, $75,000.

Iowa, Sioux City—(Official)—Bids will be received until Feb. 7 by H. Metz, Chn. Bd. of Superv., for three-story, 150x150-ft. courthouse. Estimated cost, $500,000. Noted Dec. 9.

Neb., North Platte—Plans being prepared by Bert M. Reynolds, Arch., for high school. Estimated cost, $50,000.

N. D., Bowbells—Citizens defeated $75,000 bonds for Burke County courthouse.

Mont., Havre—Great Northern Railway Co. will build three-story freight and office building on Main St.

Tex., Abilene—Texas & Pacific R.R. plans to build passenger and freight depot, including warehouse, at Abilene. Estimated cost, $50,000.

Tex., Corpus Christi—City contemplates holding election to vote on $100,000 bonds for auditorium.

Tex., Dallas—Dallas Terminal Association contemplates interurban terminal depot. Estimated cost, $1,500,000. C. F. Wallace, Dallas, interested.

Tex., El Paso—Gustav Zork plans to build six-story store and office building at Texas and Kansas St. Estimated cost, $80,000.

Tex., Galveston—Plans being prepared for addition to Y. M. C. A. Estimated cost, $50,000.

Tex., Port Arthur—Election will be held Jan. 8 to vote on $450,000 bonds for schools for Port Arthur Independent School District. Noted Dec. 16.

Tex., Waco—Missouri, Kansas & Texas Railway will build three-story freight depot and improve passenger station. Estimated cost from $180,000 to $200,000.

Tex., Waco—B. L. Scott contemplates erecting three-story building at Eighth and Washington St.

Tex., Wichita Falls—(Official)—Bids will be received until Jan. 5 by Field & Clarkson, Arch., for three-story, 50x150-ft. building for A. F. & A. M. Estimated cost, $50,000. Noted Dec. 9 and 16.

Okla., Bartlesville—Board of Education plans to build junior high school. Estimated cost, $75,000.

Okla., Bartlesville—Revised plans being prepared by Shattuck & Hussey, Arch., 19 South La Salle St., Chicago, Ill., for Y. M. C. A. building.

Okla., Tulsa—McMan Oil Co. will build ten-story office building at Fourth and Boston St. Estimated cost, $300,000.

Okla., Tulsa—F. M. McFarlin purchased site at Tulsa and will build 100x140-ft. building at Fourth St. and Boston Ave. Estimated cost, $200,000.

Okla., Tulsa—Press reports state plans being prepared for 10-story addition to Hotel Tulsa. W. N. Robinson, Mgr.

Colorado, Durango—Election will be held Jan. 12 to vote on $175,000 bonds for high school.

Colo., Trinidad—Bids will be received until Jan. 4 by Commissioners of Las Animas County for jail. Estimated cost, $80,000.

N. M., Silver City—Plans being prepared for hotel by Silver City Chamber of Commerce. Estimated cost, $100,000. Carl Hinton, Secy.

Idaho, Pocatello—H. F. Dunn, Payette, is interested in a project to build a three-story hotel. Estimated cost, $50,000.

Wash., Seattle—(Official)—Bids will be received about Feb. 10 by Board of Regents of University of Washington for recitation building. Estimated cost, $150,000. Noted Dec. 9.

Wash., Seattle—Edgar Blair, Arch., 1426 Jackson St., preparing plans for improving schools during 1916. Bonds for $750,000 recently voted for this purpose.

Ore., Springfield—District No. 19 contemplates building high school. A. P. McKinsey, Clk.

Calif., Red Bluff—Plans being prepared by W. H. Weeks, Arch., 75 Post St., San Francisco, Calif., for high school annex. Estimated cost, $90,000.

Ont., Ottawa—City contemplates police station. Estimated cost, $100,000.

Bids In and Contracts Awarded

N. H., Hampton Beach—Contract for two-story, 50x132-ft. theater awarded to HARRY A. KIRK. J. A. Hallaron, Arch., 164 Federal Bldg., Boston.

Mass., Boston—P. H. Rose Construction Co., 730 Wash St., Boston, at $159,735, submitted lowest bid for Sarah Greenwood School. Noted Dec. 2.

Mass., North Adams—Contract for high school awarded to H. C. WOOD & CO., North Adams, at $144,860. Noted Dec. 16.

Mass., Waltham—Contract for one-story, 62x184-ft. church for St. Charles Congregation awarded to MICHAEL LALLY, 20 Calvary St., Waltham. Estimated cost, $80,000. Noted Nov. 11.

Mass., Watertown—Contract awarded to J. J. FLYNN, 319 Washington St., Boston, for three-story, 44x60-ft. addition to convent of St. Patrick's Church. Estimated cost, $60,000.

Conn., Waterbury—Contract awarded to THOMAS G. SMITH, Waterbury, for two-story school. Estimated cost, $44,918.

Penn., Philadelphia—Melody & Keating, Bailey Bldg., at $291,689, submitted lowest bid for four-story school at B St. and Westmoreland Ave. for Board of Education. Noted Dec. 9.

Penn., Philadelphia—W. Beaumont, Stephen Girard Bldg., Philadelphia, at $58,147, submitted lowest bid for three-story addition to Harriet Beecher Stowe School at 70th St. and Woodland Ave. Noted Dec. 2.

Va., Roanoke—Contract for addition to Hotel Roanoke awarded to JOHN R. PETTYJOHN & CO., Roanoke. Estimated cost, $100,000. Noted Dec. 2.

Ga., Athens—Southern Ferro-Concrete Co., Atlanta, at $100,000, submitted lowest bid for Y. M. C. A. building. W. T. Forbes, Secy. Bldg. Com. Noted Nov. 11.

Ga., Savannah—W. H. FISSELL & CO., New York, N. Y., awarded contract by National Bank of Commerce to remodel building. Estimated cost, $40,000.

Fla., Live Oak—(Official)—Contract for school for Suwannee County Board of Education awarded to FLORIDA ENGINEERING AND CONSTRUCTION CO., 403 Main St., Jacksonville, at about $45,000. Noted Nov. 18.

Ala., Birmingham—Contract for five-story store building for Louis Sax Clothing Co. awarded to SMALLMAN-BRICE CO., Birmingham. Estimated cost between $100,000 and $150,000. Noted Nov. 25.

Miss., Pontotoc—Contract awarded to DOBSON & OLIVE, Montgomery, Ala., at $56,884, for courthouse for Pontotoc County. Noted Dec. 2.

Tenn., Cookeville—All bids received for two buildings for Tennessee Polytechnic Institute rejected. Revised plans will be prepared by Asmus & Norton, Arch., Nashville. Estimated cost, $145,000. Noted Dec. 9.

Ohio, Akron—Contract for school awarded to NATIONAL CONCRETE FIREPROOFING CO., 1315 Citizens Bldg., Cleveland, at $84,000.

Mich., St. Joseph—F. H. Beauman Co., Chicago, Ill., at $75,977, submitted lowest bid for high school. Noted Sept. 2.

Iowa, Centerville—Contract for three-story hospital for Sisters of Mercy awarded to J. C. MARDIS CO., Des Moines. Estimated cost, $75,000. Noted Dec. 2.

Kan., Emporia—(Official)—Contract for four-story administration building for state awarded to HEMAN CONTRACTING CO., St. Louis, Mo., at $191,881. Charles H. Chandler, State Arch. Noted Nov. 18.

Neb., Lincoln—Contract for hospital and chemistry building for University of Nebraska awarded to E. P. GOULD & SON, Omaha, at $105,745. Noted Dec. 2.

Mo., St. Louis—Jewish Shelter Home for Boys and Girls awarded contract for building to JAMES BLACK MASONRY AND CONSTRUCTION CO., St. Louis.

Tex., El Paso—Contract for four-story hospital at Montana and Piedras St. for Rolston Hospital awarded to JOLLY & MORRIS, El Paso. Estimated cost, $40,000.

Calif., Los Angeles—Pacific Mutual Co. awarded contract for office building at Sixth and Olive St. to C. J. KUBACH CO., Merchants Bank Bldg., Los Angeles.

Calif., San Francisco—Contract for steel work on two wings of San Francisco Hospital awarded to DYER BROS., 17th and Kansas St., San Francisco, at $101,425.

A Partnership has just been formed under the name of Demorest & Hieber, in the Dollar Savings and Trust Bldg., Pittsburgh, Penn., as structural steel engineers. Originally Mr. Demorest and Mr. Heiber were associated but decided that it would be better for their interests to form a partnership.

The Chicago Bridge and Iron Works has moved its general sales office from Washington Heights to the Old Colony Bldg., 37 West Van Buren St., Chicago., Ill., and has combined with it the city sales office formerly at 332 South Michigan Ave.

The Government of the Philippine Islands completed arrangements yesterday for the purchase of the stock of the Manila R.R. the securities of which are now held for the most part by a syndicate headed by James Speyer, of New York. Governor-General Harrison will submit the plan to the Legislature after the holidays.

New Way to Produce Iron—An entirely new method of producing pure iron, which it is believed will save the electrical industries of the country more than $15,000,000 a year, has been discovered by Dr. Trygve Yensen, an assistant in the engineering experiment station of the University of Illinois, it was announced at the university today.

The method used by Dr. Yensen consists of melting electrolytically refined iron in a vacuum, reducing the impurities thus far below any point which had been reached by previous investigators. The magnetic property of this vacuum-fused iron has proved to be as remarkable as its purity. Its maximum permeability, i.e., measure of ease with which it can be magnetized, was found to be about 20,000, which is two or three times higher than for the best magnetic iron or iron allow previously produced.

A practical result of this investigation is that, if it should turn out to be commercially profitable, the amount of material needed for electrical machinery such as transformers, could be cut in two and the losses which occur continuously as long as the machine is in operation would be greatly minimized. The annual saving to the electrical industries of the country by application of this discovery will amount to between $15,000,000 and $20,000,000, if it should turn out that the iron can be produced at the same expense as the iron at present used.

Contracts to Be Let

Bids received until Jan. 4, 1916.

Barge Canal Work

STATE OF NEW YORK,
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS.

Albany, December 6th, 1915.

Sealed proposals will be received by the undersigned at his office in the Capitol, at Albany, N. Y., until twelve o'clock noon of Tuesday, January 4th, 1916, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147, Laws of 1903, and of the amendments thereto, as follows:

CONTRACT NO. 73-A (Revised).
Champlain Canal—Section 1.

For completing the construction of the canal from Northumberland to Stillwater.

Length about 15.0 miles. Sheets 1 to 16 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the City of Albany or New York, issued by a national or State bank in good credit within the State and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds, coinsurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

Bids received until Jan. 17, 1916.

Steam Pumping Unit

St. Paul, Minn., Dec. 18, 1915.

Notice is hereby given that sealed proposals, bearing the number 667 of the bid and endorsed with the name of the bidder and the date of presentation will be received at the office of the Purchasing Agent at the Court House and City Hall until 10:30 a.m., Jan. 17, 1916, for the designing, construction, delivery and erection complete of a steam pumping unit, of a capacity to pump continuously fifteen (15) million U. S. gallons of water per twenty-four (24) hours, against a total combined head of one hundred and seventy-one (171) feet, with steam pressure of one hundred and fifty (150) pounds per square inch at throttle; together with all auxiliary equipment, tools and appurtenances necessary; all in accordance with the plans and specifications on file in the office of the Purchasing Agent.

Bids are invited on two types of pumping units, namely: (a) The centrifugal type of pump driven by a steam turbine through reduction gears, and (b) the triplex plunger type of pump driven by a vertical triple expansion type of steam engine. The type and make of pumping unit that will be purchased will be that showing the lowest operating cost per year to be determined on a basis given in the specifications plus fixed charges on the total investment.

A bond in the sum of 20 per cent. of the amount bid, with two sureties, residents of the City of Saint Paul, or a Surety Company bond in the same amount, or a certified check for 10% of the amount bid, must accompany each proposal as surety for the making and execution of a contract.

The City reserves the right to reject any or all bids, or any part thereof.

Bids are to be submitted in duplicate upon the regular proposal blank, furnished by the Purchasing Agent on request, and are subject to the conditions stated thereon. All bids will be opened in public, at the time above stated, by the Purchasing Agent, in the presence of the Purchasing Committee.

AUGUST HOHENSTEIN,
Purchasing Agent.

Bids received until Jan. 12, 1916.

Turbo-Centrifugal Pump

Kansas City, Mo.

SEALED PROPOSALS will be received by the Purchasing Agent of Kansas City, Missouri, at the office of the Purchasing Agent, Second Floor City Hall, until two o'clock p.m. of January 12, 1916, for the designing, construction, delivery and erection of a steam turbine, reduction gear, centrifugal pumping unit of a capacity to pump continuously twenty (20) million U. S. gallons of water per twenty-four (24) hours, against a total combined head of three hundred and sixty (360) feet and a steam pressure of one hundred and sixty-five (165) pounds per square inch at throttle; together with all machinery, tools and appurtenances necessary; all in accordance with the plans and general specifications on file in the office of the Chief Engineer of the Water Department.

Each bidder shall deposit with the City Comptroller a certified check in the amount of Seven Hundred and Fifty Dollars ($750.00), payable to the City Comptroller of Kansas City, Missouri, and accompany his bid with the Comptroller's receipt therefor.

The certified check referred to in the Advertisement shall be submitted by each bidder as a guaranty that the bidder will, within ten (10) days after receiving the award of a contract, file with the City a satisfactory bond to the amount of Twenty-five Thousand Dollars ($25,000.00) and will execute the contract.

The Board of Fire and Water Commissioners does not bind itself to accept the lowest or any bid offered, and reserves the right to reject any and all bids and to waive any irregularity or informality in the bids.

(Signed) J. P. LANGAN, Purchasing Agent.
BURTON LOWTHER, Chief Engineer.

Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Maine—Rockland, South Thomaston & St. George Ry. will build 1-mile extension to line in St. George. Alfred S. Black, Rockland, Pres. and Gen. Mgr.

Massachusetts—Council granted franchise to Springfield Street Railway Co. to lay tracks on Church St. and Broadway, Chicopee Falls. J. F. McCabe, Springfield, Pur. Agt.

Pennsylvania—Northampton Traction Co., Easton, merged with Bangor & Portland Traction Co., plans to build railway from Windgap to Delaware Water Gap. W. O. Hay, Easton, Vice-Pres., Gen. Mgr. and Pur. Agt.

Pennsylvania—Scranton & Binghamton Traction Co., Scranton, contemplates building about 20 miles of railway from Heart Lake to Hallstead via New Milford during 1916. T. C. Dougherty, Scranton, Ch. Engr.

Pennsylvania—Surveys being made by West Penn Traction Co., Pittsburgh, for extension of lines in Butler District. W. E. Moore, Pittsburgh, Vice-Pres. and Gen. Mgr.

Maryland—Curtis Bay R.R. Co. plans to build railway about three or four miles long from Curtis Bay to Hawkins Point, near Baltimore, to connect two plants of Davison Chemical Co. C. W. Miller, interested.

West Virginia—Charleston-Dunbar Traction Co., Charleston, plans to build railway, about 20 miles long. E. W. Alexander, Charleston, Secy., Gen. Mgr. and Pur. Agt.

West Virginia—Reported that Grafton Light and Power Co., Grafton, will build 1 mile of new railway. J. Clyde Lewis, Grafton, Supt. and Pur. Agt.

West Virginia—Morgantown & Wheeling Ry., Morgantown, plans to build interurban railway from Price to Blacksville, 7.45 miles. R. D. Hennen, Morgantown, Ch. Engr.

North Carolina—Goldsboro Street Railway Co., Goldsboro, contemplates building 1 mile of new railway. E. L. Gentir, Goldsboro, Secy. and Gen. Mgr.

Georgia—Surveys being made for extension of Ocilla, Pinebloom & Valdosta Ry. from Willacoochee to Sirmans, Ga., about 20 miles. G. W. Davis, Willacoochee, Gen. Mgr.

Florida—Panama Line, Pensacola & Missouri Valley Railroad Co., recently chartered, plans to build line from point near Pensacola, Fla., to Kansas City, Mo., and Omaha, Neb., with branches to coalfields in Alabama and Arkansas. Walter D. Seaver, Pascagoula, Fla., interested.

Alabama—Reported that Gulf States Steel Co., Gadsden, will build railway about 3 miles long.

Mississippi—Meridian Light and Railway Co., Meridian, contemplates building 1¾ miles of new railway. A. B. Paterson, Meridian, Gen. Mgr. and Pur. Agt.

Tennessee—Memphis Street Railway Co., Memphis, contemplates extending line in Florida St. to Nonconnah. J. H. Haylow, Memphis, Ch. Engr.

Illinois—Surveys made for extension of line of Palatine, Lake Zurich & Wauconda R.R. from Wauconda to Fox Lake, 10.5 miles. C. H. Patten, Palatine, Gen. Mgr.

Illinois—Springfield Consolidated Railway Co. contemplates extending line east to Bergen Park, Springfield. A. D. Mackee, Springfield, Gen. Mgr. and Pur. Agt.

Minnesota—Duluth Street Railway Co., Duluth, contemplates building 4 miles of new railway. J. Carson, Duluth, Ch. Engr.

Kansas—Kansas Southern Traction Co. contemplates building interurban railway from Parsons to Oswego and Columbus. Philip Strack, Parsons, Interested.

Missouri—Surveys being made and right-of-way being secured for railway from Kansas City, Mo., to Tiffany Springs, Platte County, about 15 miles, for Kansas City and Tiffany Springs Railway Co. W. M. Spratt, Kansas City, Ch. Engr. Noted Nov. 18.

Arkansas—Surveys being made for narrow-gage railroad from Cotter to Rush, about 14 miles, and will traverse Buffalo River and Rush Creek mining districts.

Texas—Dallas Standard Traction Co. asked Council for franchise to build line through Mt. Auburn to Parkview Pl., Dallas. O. A. Zeal, Dallas, Ch. Engr.

Oklahoma—Surveys will soon be made by Guthrie-Edmond Electric Ry. Co., Oklahoma, recently incorporated with $500,000 capital stock, for proposed extension of Oklahoma Electric Ry. from Edmond to Guthrie, Okla. Burke Shartel and Charles Hoopes, Oklahoma, interested.

Oklahoma—Kansas-Oklahoma Electric Co. plans to build railway from Caney to Dewey. S. M. Porter, Caney, interested.

Oklahoma—Okmulgee Northern Ry. Co., recently incorporated, will construct railway from Okmulgee to Coalton, Okla., 12 miles. Lee Clark and Frank L. Hale, interested.

Quebec—Plans being prepared for 5-mile extension from Three Rivers to Cap Magdeleine for Three Rivers Traction Co. Thomas McDougall, Pres.

Ontario—Sarnia Street Ry. Co., Ltd., contemplates building ½-mile line in Sarnia. W. Williams, Sarnia, Ch. Engr.

Ont., St. Thomas—See item under "Industrial Works."

Bids In and Contracts Awarded

Georgia—Contract awarded to THOMAS WORTHINGTON, Birmingham, Ala., for construction of extension of Savannah & Northwestern Ry. from St. Clair to Warrenton, Ga., about 30 miles. L. B. Ackerman, Savannah, Ch. Engr. Noted Oct. 7.

Tennessee—Oneida & Western R.R., Oneida, awarded contract for 2½-mile extension of line to COOK CONSTRUCTION CO. G. H. Jackson, Oneida, Ch. Engr.

Tennessee—Contract awarded to RHODES, McDOWELL & BAKER for 11-mile extension of Tennessee Ry. C. W. Butts, Oneida, Ch. Engr.

Ohio—Wheeling & Lake Erie R.R. awarded contract for grading 3-mile spur to circle east boundaries of Canton to CASEY CONTRACTING CO., Pittsburgh, Penn. W. L. Rohback, Cleveland, Ch. Engr. Noted Nov. 18 and Dec. 23.

LIGHT, HEAT AND POWER

Proposed Work

Vt., Waterbury—C. E. Huntingale, New York, N. Y., has purchased from L. J. Roberts mill and dam on Little River, about four miles from Waterbury, to develop same to generate electricity. Property is capable of developing about 750 hp.

N. Y., Belmont—Allegany County Electric Light and Power Co. plans to construct concrete dam in Genesee River and install electric power plant in Belmont. J. K. Harker and George W. Francis, New York, N. Y., interested.

N. Y., Buffalo—International Railway Co. contemplates an expenditure of $150,000 for enlarging its substations. J. C. Sheldon, Buffalo, Pur. Agt.

N. Y., Buffalo—Plans being prepared by F. J. Neis, Arch., and G. J. Neis, Engr., Delaware, Lackawanna & Western R.R., Hoboken, for power house at passenger terminals of Delaware, Lackawanna & Western R.R. at Buffalo. Noted Sept. 23.

N. Y., Lebanon Springs—Plans being considered for electric-lighting system in Lebanon Springs.

N. Y., New York—(Borough of Queens)—(Official)—Bids will be received by C. B. J. Snyder, Supt. of Schools, Dept. of Education, Park Ave. and 59th St., New York (Borough of Manhattan), until 4 p.m., Jan. 3, for heating and ventilating apparatus in Public School No. 91, Folsom and Fosdick Ave.

N. Y., Seneca Falls—Plans being prepared by M. G. Barnes, Engr., 36 State St., Albany, for one-story, 50x100-ft. hydro-electric plant for Seneca Power Co., Inc. Estimated cost, $250,000. E. H. Gould, Seneca Falls, interested.

N. J., Magnolia—Borough Council contemplates installing electric-lighting system.

Penn., Erie—An addition will be constructed to plant of Erie Lighting Co. Estimated cost, $10,000.

Penn., Lebanon—Plans prepared for power house for Hauer & Mowere.

Penn., Wyomissing—Borough Council passed loan ordinance of $30,000 for purchasing equipment for electric-light plant and has arranged for another loan of $10,000.

Va., Boyce—Northern Virginia Power Co., Winchester, plans to construct transmission line from Boyce to Riverton, via White Post.

W. Va., Buckhannon—Plans being considered for purchasing mill property of D. T. Farnsworth to convert same into power house for furnishing electricity to city and to establish high-pressure water system.

Fla., Ft. Meade—See item under "Water-Works."

Ala., Moulton—Plans being considered by C. C. Prince and H. C. Dunn for electric-light plant in Moulton.

Miss., Sumner—Southern Electric Service Co. contemplates an expenditure of $14,000 for improvements to its plant. A. C. Carl, Winona, Mgr.

Tenn., Sharon—Citizens voted $10,000 bonds for electric-light plant.

Ohio, Belle Center—City will issue $8,000 bonds for rebuilding municipal electric-light plant.

Ohio, Piqua—Dayton Power and Light Co. has taken over plant of Miami Light, Heat and Power Co. and will improve same.

Mich., Allegan—Consumers Power Co. plans to extend its transmission line from Allegan to South Haven via Fennville, Pullman and Lee. Company also contemplates dam across Kalamazoo River.

Mich., Muskegon—Muskegon Heights Gas Co., recently incorporated, will construct gas plant.

Mich., Whitehall—Frugale Power Co. contemplates enlarging its hydro-electric plant. F. H. Speese, Vice-Pres. and Mgr.

Ill., Byron—Byron Electric Light and Power Co., recently incorporated with $15,000 capital stock, plans to build electric-light plant in Byron.

Wis., Manitowac—Plans being prepared for power and boiler house for municipal electric-light and water-works systems.

Wis., Racine—Wisconsin Gas and Electric Co., subsidiary of Milwaukee Electric Railway and Light Co., Milwaukee, will build 80x165-ft. addition to retort house. Estimated cost, $25,000.

Iowa, Guttenberg—Citizens voted to construct municipal electric-light plant.

Iowa, Rhodes—Press reports state that Iowa Railway and Light Co. has been granted franchise for transmission line and distribution system for furnishing electric-light and power.

Minn., Mazeppa—City contemplates expenditure of $10,000 for improvements to municipal electric-light plant.

Kan., Circleville—Citizens voted to issue bonds for municipal electric-light plant.

Kan., Riley—R. B. Fegan, Junction City, granted franchise for electric-light plant in Riley. Noted Dec. 16.

Neb., Pleasant Dale—Martz Engineering Co., First National Bank Bldg., Lincoln, preparing plans for municipal electric-light plant. Estimated cost, $5,000.

Ark., Van Buren—Bids will be received about Jan. 10 by Crawford Gas and Oil Co., recently incorporated with $250,000 capital, for 10 miles of 6-, 8- and 10-in. piping. C. H. Reece, Engr.

Tex., Portland—Bids will be received until Jan. 1 by M. S. Spitler for constructing electric-light plant. J. B. Moore, Engr. Noted Dec. 16.

Okla., Lawton—Franchise granted to Albert T. Woods and associates for gas plant in Lawton.

N. M., Albuquerque—A. G. Hillberg, 13 Park Row, New York, N. Y., preparing plans for 30,000 hp. hydro-electric plant at mouth of White River Cañon on Rio Grande River. Estimated cost, $2,000,000. C. G. Wilfong, Philadelphia, Penn., Pres.

N. M., Clovis—See item under "Water-Works."

Idaho, Pocatello—(Official)—We have been informed that bids for extending street lighting system will be received next spring. Estimated cost, $35,000. J. H. Giles, City Engr. Noted Dec. 9.

Ariz., Casa Grande—See item under "Water-Works."

Ariz., Miami—See item under "Water-Works."

Ariz., Phœnix—Young Men's Business Association is interested in project to install electric-light plant in Phœnix.

Ariz., Prescott—Surveys being made for constructing water storage dam and hydro-electric plant on Burro Creek, near Prescott. E. P. Thayer, Indianapolis, Ind., interested.

Wash., Blueslide—Surveys being made by engineers of Hugh L. Copper Co. for power dam about one mile north of Blueslide. The hydrochemical and power project will involve an expenditure of $10,000,000.

Wash., Okanogan—Okanogan Valley Power Co. will extend its transmission lines along Okanogan River between Okanogan and Malotte.

Ore., Conway—J. Frank Jones, Mayor, considering draft for franchise proposed by G. C. Hardin, Ft. Smith, for supplying natural gas to Conway from Kibler Fields in Crawford County.

Ore., Stayton—Stayton Electric Light Co. will enlarge its power plant.

Calif., San Francisco—Great Western Power Co. plans an expenditure of $4,000,000 for improvements. M. Fleishacker, Pres.

Que., Sherbrooke—Bids will soon be received for enlarging and improving power plant. M. A. Sammett, 301 McGill Bldg., Montreal, Consult. Engr.

Que., Warwick—Plans being considered for electric-light and power systems. Estimated cost, $10,000.

Ont., Aylmer—City plans to build several large additions to its electric-light plant.

Ont., Sarnia—Election will be held Jan. 3 to vote on by-law providing $120,000 for purchasing electric generating plant and electric distribution system of Sarnia Gas and Electric Co. and for remodeling same.

Ont., Springfield—City will install electric-light plant. Estimated cost, $5,000. J. B. Lucas, Clk.

Ont., West Lorne—City plans to build electric-light and power plant. Estimated cost, $80,000. J. S. Robertson, St. Thomas, Clk.

Bids In and Contracts Awarded

Penn., Philadelphia—Contract for boiler house for Pennsylvania Sugar Co. awarded to O'MERA CONSTRUCTION CO., 235 South Turner St., Philadelphia. Estimated cost, $40,000.

Va., Fredericksburg—Contract for electric-light plant and system for Southern Gravel Co., about 4 miles from Fredericksburg, awarded to RAPPAHANNOCK ELECTRIC LIGHT AND POWER CO., Fredericksburg.

Mich., Charlevoix—GENERAL ELECTRIC CO. OF MICHIGAN, Detroit, awarded contract for furnishing all electric-light meters for year ending Nov. 24, 1916.

Ill., Chicago—Contract for one-story boiler house at 4345-53 South Western Ave. for Union Petroleum Co. awarded to H. B. Barnard. Estimated cost, $15,000.

BRIDGES

Proposed Work

N. J., Perth Amboy—Bids will be received until 8:30 p.m., Jan. 5, by Board of Water Commissioners, for trestle over South Amboy-Bordentown Turnpike at Runyon. S. J. Mason, City Engr.

Va., Lunenburg—(Official)—Bids will be received at Office of Clerk, Lunenburg Court House, until noon, Jan. 3, for reinforced-concrete bridge across Middle Meherrin River. G. P. Coleman, Richmond, State Highway Comr.

W. Va., Berkeley Springs—(Official)—Bids will be received until Jan. 14 by County Court of Morgan County for two reinforced-concrete arch bridges of 60- and 80-ft. spans respectively. Plans prepared by West Virginia State Road Bureau, Morgantown, W. Va. R. P. Davis, Bridge Engr. West Virginia State Road Bureau.

Tenn., Manchester—City and Nashville, Chattanooga & St. Louis Ry. will build viaduct over railway tracks.

Tenn., Nashville—City Commission, Nashville, Chattanooga & St. Louis Ry. and Nashville Traction and Light Co. will lengthen and repave Church St. viaduct. Estimated cost, $[illegible]000. W. W. Southgate, City Engr.

Ohio, Lima—City Council plans to construct viaduct over Ottawa River between North and South Lima. Estimated cost, $50,000. Carl Bryson, City Engr.

Ill., Ottawa—Citizens of La Salle Township will issue $85,000 bonds for Shippensport Bridge. Noted Oct. 7.

Iowa, Waverly—Bids will be received by County Auditor until Jan. 6 for substructure of bridge across Cedar River. Estimated cost, $4,500. C. A. Cool, County Engr.

Mo., St. Joseph—St. Joseph & Grand Island R.R. contemplates an expenditure of about $50,000 for repairing pivot pier of Missouri River bridge.

Mo., St. Louis—City Plan Commission has recommended construction of Kingshighway Blvd. viaduct over Broadway. Estimated cost, $60,000.

Mo., Warrensburg—Bids will be received by David Mohler, County Engr., until Jan. 4, for 20 steel bridges. Noted Sept. 23.

Tex., Ft. Worth—Bids will be received until Jan. 3 by Commissioners of Tarrant County for reconstructing Park St. Bridge. Estimated cost, $7,500. H. P. Haynes, County Engr. Noted Dec. 23.

Tex., Riverside—Commissioners of Trinity County, Groveton, and Walker County, Huntsville, will build bridge across Trinity River at Riverside. Estimated cost, $60,000, to be divided equally between the two counties.

Okla., Oklahoma—Bids will be received until Jan. 10 for 12 reinforced-concrete bridges in Oklahoma County. Estimated cost, $35,000. M. Cornelius, County Clk.

Okla., Sulphur—All bids recently received for bridge across Washite River rejected. New bids will be received until Jan. 20 by B. B. Horsman, Clk. of Murray County.

Ariz., Tucson—Bids will be received by L. O. Cowan, City Clk., until 5 p.m., Jan. 15, for reinforced-concrete bridge across Santa Cruz River. Estimated cost, $50,000. Noted Sept. 16.

Ore., Portland—Plans prepared for 400-ft. bridge over Balch Creek Cañon to connect Cornell Rd. with Lincoln Blvd. Estimated cost, $135,000. Philip H. Dater, City Engr.

Calif., Los Angeles—Bids will be received by H. J. Lelande, County Clk., until 2 p.m., Jan. 3, for bridge on Palm Ave.

Calif., Los Angeles—Bids will be received by H. J. Lelande, County Clk., until 2 p.m., Jan. 3, for bridge on Mountain Ave.

Calif., Sacramento—State Highway Commission will build bridge across Eel River near Scotia in Humboldt County. Estimated cost, $90,000, and Humboldt County will pay $40,000 of cost.

Bids In and Contracts Awarded

Penn., Philadelphia—Contract for Diamond St. Bridge over connecting railway awarded to CANTRELL CONSTRUCTION CO., Philadelphia, at $60,758. Noted Dec. 9 and 23.

Penn., Phœnixville—(Official)—Contract for reinforced-concrete bridge across Schuylkill River between Phœnixville and Mont Clare awarded to AMBLER-DAVIS CO., Hanson Bldg., Philadelphia, at $80,894. Noted Dec. 9.

Va., Norfolk—Contract for bridge over Tanner's Creek on Jamestown Blvd. awarded to ALSOP & PIERCE, at $28,780.

Fla., Clearwater—(Official)—We have been informed that bridge from Clearwater to Clearwater Key will be built by E. W. Parker and associates under supervision of E. W. Parker and not by Pinnellas County as stated in our issue of Dec. 9. Work will be done by their own forces and no bids received.

Ohio, Marysville—Contract for steel bridge over Buck Run awarded to JOHN L. PORTER, Marysville, at $4,631.

Ind., Indianapolis—Dunn-McCarthy Co., Chicago, Ill., at $53,659, submitted only complete bid for bridges, abutments and undergrade to crossings connected with crossing improvements at Drover St. and White River levee under Cleveland, Cincinnati, Chicago & St. Louis Ry. and Vandalia R. R.

Ind., Linton—Contract for Joshua Neal Bridge in Stockton Township, near Linton, and Lukenbill Bridge in Stafford Township, near Marco, awarded to VINCENNES BRIDGE CO., Vincennes.

Ill., Bellflower—(Official)—Contract for steel bridge in Lexington Township awarded to PORTER-McCULLY CONSTRUCTION CO., Mackinaw, at $12,990. Noted Dec. 2.

Ill., Watseka—(Official)—Contract for reconstructing bridge No. 137 awarded to CONTINENTAL BRIDGE CO., Peotone, at $6,100. Noted Dec. 2.

Neb., Tekamah—(Official)—Contract for concrete culverts awarded to H. J. CATHROE, Omaha, at $21,330. Towl Engineering Co., Omaha, Engr.

Tex., El Paso—Contract for four bridges across Rio Grande River awarded to EL PASO BRIDGE AND IRON CO., El Paso, at $24,000.

WATER-WORKS

Proposed Work

Maine, Lewiston—Maine Public Utilities Commission gave authority to Wilton Water Co. to issue $8,000 bonds for installing new intake stream chamber and new pipes.

Maine, Madison—Citizens contemplate 14-in. water main from Hancock Pond. Estimated cost, $130,000.

N. Y., Liverpool—Citizens considering installation of water system. Estimated cost, $25,000.

N. J., Peapack—Borough sold $55,000 bonds for municipal water plant.

Penn., Danville—Bids will be received Jan. 19 by Water Commissioners for reinforced-concrete rapid sand filter of 300,000 gal. capacity. Chester & Fleming, Union Bank Bldg., Pittsburgh, Penn., Engr.

Penn., Leighton—(Official)—Plans being prepared for water works system. W. N. Bowyer, City Engr. Noted Dec. 16.

Va., Norfolk—(Official)—Bids will be received by Board of Control until Jan. 8 for repairing three dams and spillways. Estimated cost, $56,000. T. B. Bornin, Engr.-in-charge. Noted Nov. 4. (See adv.)

W. Va., Buckhannon—See item under "Light, Heat and Power."

W. Va., Fairmont—City contemplates installing water meters. Estimated cost, $30,000. Ira Smith, Commr. Water and Sewers.

Ga., Savannah—City plans expenditure of $15,000 to extend water mains. E. R. Conant, Ch. Engr. Water Dept.

Fla., Ft. Meade—City sold $33,000 bonds for extension of sewer system, water-works and construction of new electric-light plant.

S. C., Charleston—Citizens defeated $1,500,000 bonds for water-works. Noted Dec. 2.

Miss., Oxford—J. H. Lawshee, City Clk., will issue $6,500 bonds for water-works and electric-light improvements.

Miss., Pass Christian—Bids will be received until Jan. 4 for laying 4-in. water main in Davis Ave. near Third St. to North Railroad St. W. A. Terrell, City Clk. Noted Sept. 23.

Tenn., Sharon—Citizens voted $25,000 bonds for water-works system and electric-light plant.

Ky., Glasgow—W. M. Dickinson and others have purchased property of Glasgow Water Co. and plan considerable improvements.

Ky., Hazard—Hazard Water Co. contemplates extending pipe through all main streets and installing filtration plant at power house.

Ohio, Akron—State will order installation of water meters capable of measuring flow through 20-in. pipe at plants of large consumers of canal water in Akron and Cincinnati manufacturing districts. Frank R. Fauver, State Supt. of Pub. Wks.

Ohio, South Charleston—Bids received Dec. 14 for water system rejected. Work will be readvertised. W. L. Wentz, City Clk. Noted Dec. 9.

Ind., Ligonier—City Council voted to extend water mains in North Main, North and Chatham St.

Ind., Miller—(Official)—Citizens voted $12,500 bonds for water works system. Carl Olander, City Clk.

Mich., Albion—(Official)—Citizens voted $10,000 bonds for completing municipal water system. J. W. Smith, City Clk. Noted Nov. 11.

Mich., Menominee—Menominee Water Co. will sell $200,000 bonds for municipal water-works system. Noted Nov. 11.

Mich., Monroe—James W. Follin, Engr., submitted reports for water-supply system, also recommends installation of filtration plant.

Mich., Mt. Morris—(Official)—Bids will not be received until spring for installation of water system. H. W. Graham, Pres. Noted Dec. 2.

Ill., Bluffs—Fuller-Coult Co., Chemical Bldg., St. Louis, Mo., retained to prepare preliminary plans for water works system.

Ill., Glasford—Fuller-Coult Co., Chemical Bldg., St. Louis, Mo., preparing plans for water works system.

Ill., Lebanon—Fuller-Coult Co., Chemical Bldg., St. Louis, Mo., preparing preliminary plans for water works system.

Ill., Virden—Fuller-Coult Co., Chemical Bldg., St. Louis, Mo., preparing preliminary plans for water works system.

Iowa, Ft. Madison—Citizens recently voted for sewer system.

Iowa, Iowa City—City Council plans to improve water works. Estimated cost, $50,000.

Iowa, Winterset—Citizens will soon vote on $15,000 bonds for water works.

Minn., St. Paul—Bids will be received until Jan. 17 by August Hohenstein, City Pur. Agt., for 30,000,000-gal. and 7,000,000-gal. covered reservoir, 15,000,000-gal. pumping engine, motor driven, revolving screening equipment. Estimated cost, $10,000. Noted Sept. 30.

Minn., St. Paul—William M. Jones preparing plans for water system. Estimated cost, $500,000.

Kan., Humbolt—Plans for municipal water-works system approved by Public Utilities Commission. Estimated cost, $12,000. Noted Dec. 16.

Mont., Three Forks—City contemplates improvement of water system. Estimated cost, $12,000. Noted Nov. 4.

Ark., Beebe—Contract for water system will be let in February. Estimated cost, $15,000. Lund & Hill, Little Rock, Ark., Consult. Engr. Noted Dec. 2.

Ark., Dardanelle—City retained J. F. Halliday, McAlester, Okla., as engineer for improvements to water works. Estimated cost, $15,000. Noted Dec. 23.

Tex., Carthage—See item under "Sewers."

Tex., Cooper—See item under "Sewers."

Tex., Ft. Worth—Citizens will vote Jan. 6 on $500,000 bonds for water-works system.

Tex., Mart—City sold $18,000 bonds for improvements to water works. J. L. Vaughn, Mayor. Noted Dec. 2.

Tex., Texarkana—Citizens voted to improve water-works system.

Tex., Trinity—Plans prepared for water system. H. S. Wilder, Houston, Consult. Engr. Noted Dec. 2.

Okla., Stillwater—Citizens defeated $116,000 bonds for water works system.

N. M., Clovis—City Council will hold election to vote on $25,000 bonds for extension and improvement to sewer, water and light systems.

Idaho, Downey—W. D. Cotton, Engr., Idaho Falls, retained by City Council to prepare plans for water system.

Idaho, Pocatello—City sold $400,000 bonds for municipal water system. Noted Oct. 14.

Utah, Providence—Town Board plans new water-works system.

Ariz., Casa Grande—Citizens will vote on bonds for municipal water works and electric-light plant. E. R. Stoner, City Clk.

Ariz., Miami—Citizens voted $80,000 bonds for municipal water system; also $40,000 bonds for municipal electric-light plant. Noted Dec. 2.

Wash., Colville—City Council retained Sawyer Bros., Engr., Spokane, for construction of new water supply system. Estimated cost, $15,000. Noted Oct. 7.

Wash., Ridgefield—Bids will be received by J. W. Blackburn, Town Clk., until Jan. 4 for water system. Estimated cost between $10,000 and $15,000. Noted Nov. 11.

Wash., Seattle—Board of Public Works considering plans for water mains in Michigan St. Estimated cost, $10,000. J. H. Dimock, City Engr.

Wash., Seattle—Board of Public Works considering plans for water mains in Orcas and Doris St. Estimated cost, $10,000. A. H. Dimock, City Engr.

Ore., Grants Pass—Citizens defeated proposition to purchase and improve water system. Estimated cost, $120,000.

Ore., Turner—R. O. Thomas, Mayor-elect, contemplates the installation of a water system.

Que., Sherbrooke—City Council will install water main in Wellington St. Estimated cost, $4,720. F. McKean, Supt., Water-Works Dept.

Ont., Dryden—Plans prepared for water system. Estimated cost, $25,000. B. S. McKenzie, 1002 Union Trust Bldg., Winnipeg, Consult. Engr. Noted Dec. 2.

Ont., Dundas—Plans being prepared for water mains in several streets. R. W. Karch, Chn. Pub. Utilities Comn.

Ont., Midland—Citizens plan expenditure of $13,000 for addition to its water-works plant. Frank R. Weston, City Clk.

Ont., Unionville—Plans being prepared by J. E. James, City Engr., 57 Adelaide St. E., Toronto, for water-works system. Estimated cost, $14,000.

Bids In and Contracts Awarded

R. I., Cranston—(Providence post office)—Low bids received for making wash and core borings were as follows: Sprague & Henwood, Inc., Scranton, Penn., at $10,460; William Gates Stearns, Jamaica, N. Y., at $12,380; Alliance Well Co., Providence, R. I., at $12,830. Walter B. Chafee, City Clk. Noted Dec. 9.

N. Y., New York—(Official)—Lowest bid submitted for furnishing apparatus and appurtenances for applying liquid chlorine to Croton water-supply at Dunwoodie, Yonkers, was that of Wallace & Tiernan Co., Inc., 136 Liberty St., New York, at $6,645. Noted Dec. 16.

N. J., Secaucus—Contract for water pipe line connections at County Road and County Farm, awarded to CULLIGAN & MACH, 122 West 26th St., Bayonne.

N. J., Ventnor—(Official)—Contract for supply of pumps and air compressors awarded to JOSEPH T. SURIGARD & CO., Philadelphia, Penn. Estimated cost, $30,674. Noted Nov. 11.

Penn., Philadelphia—Lowest bids received for equipment for city pumping stations were as follows: Coal storage and handling equipment, Specialty Engineering Co., Trenton and Allegheny Ave., Philadelphia, $17,950; stokers and superheaters, Combustion Engineering Corporation, $17,950; blowers, B. F. Sturtevant Co., $1,900; c.-i. pipes and special fitting, Standard Cast-Iron Pipe and Foundry Co., Bristol, Tenn., $6,427; mechanical stoker equipment, Combustion Engineering Corporation, $15,864.

Ga., Fitzgerald—Contract for reinforced-concrete clear-water basin awarded to CASE & COTHRAN, Candler Bldg., Atlanta, Ga. Estimated cost, $6,500.

Ohio, Cleveland—Contract for water mains in South Woodland Rd., awarded to LANSEE CO., Cleveland Heights. Estimated cost, $20,000. F. A. Pease Engineering Co., Marshall Bldg., Cleveland, Engr. Noted Dec. 9.

Ohio, Wilberforce—Contract for improvements to water supply system awarded to SHARTLE MACHINE CO., Columbus. Noted Dec. 2.

Mich., Albion—(Official)—Low bidders for pumping station and boiler house for water system were F. W. Schmacher, Albion, at $7,688; Weston Bros., Albion, at $11,072. J. C. Smith, City Clk. Noted Dec. 9.

Mich., Detroit—Contract for water-works system awarded by Board of Water Commissioners to GAMON METER CO., Newark, N. J.

Ill., Frankfort—Contract for new water mains awarded to CHICAGO HEIGHTS COAL CO., Chicago. Estimated cost, $10,919.

Ill., Galesburg—(Official)—Bids for tubular deep well rejected. F. L. M. Connolly, City Engr. Noted Dec. 16.

Wis., West Allis—Contract for laying water main in 50th Ave. awarded by City Council to H. HOHENSE.

N. D., Velva—City Council rejected all bids for improvements to water works.

Tex., Dallas—(Official)—Contract for new water pipes in Oakcliff St. awarded to AMERICAN CAST IRON PIPE CO. Estimated cost, $215,000. J. M. Preston, City Engr. Noted Dec. 16.

Ore., Gaston—Contract for water works system awarded to V. R. DENNIS, Lewis Bldg., Portland. Estimated cost, $7,500.

Ore., Milwaukee—Low bidders for water works system were: Giebisch & Joplin, Portland, $22,542; Oskar Huber, Portland, $24,666; J. F. Shea, Portland, $24,982. J. W. Morris, City Engr. Noted Nov. 25.

Que., Princeville—Contract for water system, pumping station, also 4-in. and 6-in. c.-i. pipes, valves, pumps, hydrants, etc., awarded to B. FEENEY. Estimated cost, $25,000. Noted Dec. 9.

Ont., Brockville—Contract for filtration plant awarded to ROBERTS FILTRATION CO., Derby, Penn. Estimated cost, $86,000. Noted Oct. 22.

B.C., Port Moody—Contract for supply pipe for new water-works system awarded to CANADIAN PIPE CO.

SEWERS

Proposed Work

Mass., New Bedford—Bids will be received until Jan. 12 for installing intercepting sewers. Estimated cost, $65,000. William F. Williams, City Engr. Noted Oct. 21.

N. Y., Buffalo—City plans expenditure of $4,000,000 for sewage-disposal plant.

N. Y., New Rochelle—Board of Estimates passed $50,000 bond issue for sewage-disposal plant.

N. Y., North Tonawanda—Citizens plan expenditure of between $150,000 and $160,000 for sewage-disposal plant.

N. Y., Oneonta—(Official)—Bids will be received next spring for sewage-disposal plant. Estimated cost, $45,000. F. M. Gurney, City Engr. Noted Dec. 16.

N. Y., Utica—Harry R. Hays, Commissioner of Public Works, recommends that plans be prepared for improvements to sewer system.

N. J., Jersey City—Board of Commissioners approved installation of new sewer in Horseshoe Section.

Md., Baltimore—Citizens defeated $40,000 bonds for three sanitary sewers.

Va., Norfolk—City will construct concrete drain and culvert in south end of Dinwiddie St. W. T. Brooke, City Engr.

N. C., Greensboro—Citizens voted $75,000 bonds for improving and extending sewers and water mains. Noted Nov. 11.

N. C., Kings Mountain—City contemplates sewer system.

Fla., Ft. Meade—See item under "Water-Works."

Fla., Gainesville—See item under "Streets and Roads."

Fla., Gainesville—(Official)—Bids will be received in February for extension of sewer system. Estimated cost, $12,000. G. H. Cairns, City Engr. Noted Dec. 16.

Fla., Key West—John J. Quinn and John R. Pearson applied for franchise to construct sewer system.

Tenn., Nashville—City Commissioners plan to build new sewers. Estimated cost, $300,000. W. W. Southgate, City Engr.

Ky., Paducah—See item under "Buildings."

Ohio, Greenville—Plans been prepared for trunk sewer in Greenville. Estimated cost, $50,000.

Ohio, Lancaster—City plans storm sewer in South Broad St. from Hocking River to Main St. Estimated cost, $8,200.

Ohio, Middletown—Bids will be received by City Commission, City Hall, until noon, Jan. 4, for storm and sanitary sewer in various streets.

Ohio, Portsmouth—City Council sold $32,500 bonds for sewer construction.

Ohio, Youngstown—Bids will soon be received for sewer in Mill Creek Sewer District. Frank Little, City Engr. Noted Oct. 21.

Ind., Fairmount—(Official)—W. J. Sherman Co., Toledo, Ohio, has been retained to prepare plans for complete sanitary sewer system.

Ill., Alton—J. E. Schwaab, City Engr., is preparing plans for East Side trunk sewer. Noted Sept. 16.

Iowa, Clinton—Bids will be received until Jan. 11 for storm sewer in First St. Estimated cost, $5,323.

Iowa, Hampton—Bids will be received until Jan. 7 for sanitary sewer system. P. A. Van Pelt, City Clk. Noted Dec. 23.

Iowa, Rock Valley—Press reports state citizens contemplate sewer system.

Iowa, Waterloo—Citizens comtemplate sewer system and sewage-disposal plant. Estimated cost, $5,000. Burns & McDonnell, 821 Scarritt Bldg., Kansas City, Mo., Engr.

Kan., Kansas City—City plans to construct sewer system. J. L. Beggs, Street Comr.

Neb., Pierce—Bids will be received about Mar. 1 by L. P. Connor, City Clk., for sewer system. Estimated cost, $20,000. Noted Dec. 23.

Mo., St. Louis—Bids will be received by city until noon, Jan. 7, for constructing North Baden public sewer, First Section, also for sewers in Glaise Creek Sewer District No. 12.

Tex., Carthage—City Council contemplates sewer and water works systems.

Tex., Cooper—City contemplates sewer and water works system.

Tex., Dallas—Bids will be received about Jan. 15 for purchase of $350,000 bonds for sewage-disposal plant.

Tex., Dallas—City Commissioners will soon receive bids for sanitary sewer main between Zang's Blvd. and Winnetka Ave. in Oakcliff. Estimated cost, $21,500. Noted Nov. 11.

Tex., Graham—Citizens will vote on bonds for sewer system. Noted Dec. 16.

Tex., Venus—City will hold election Jan. 11 to vote on $[illegible],000 bonds for sewer system.

Okla., Enid—Plans being prepared for sewer system in three new sewer districts and for extensions in two districts. W. C. Rogers, City Clk. Noted Dec. 2.

N. M., Clovis—See item under "Water-Works."

Ore., La Grande—Contract for sewer system will be let in January. Estimated cost, $16,000. L. D. Howland, City Engr. Noted Dec. 9.

Calif., Pomona—Board of Trustees approved plans for sewer system. Estimated cost, $55,000.

Bids In and Contracts Awarded

Mass., Needham—(Official)—Contract for sewer work in Section No. 104 awarded to BAY STATE DREDGING CONTRACTING CO., 247 Atlantic Ave., Boston. Estimated cost, $59,055. Noted Dec. 23.

Mass., Needham—Contract for sewer work in Section No. 103 awarded to BRUNI & POTITTI, 18 Tremont St., Boston. Estimated cost, $34,011.

N. Y., Buffalo—Contract for sewer in Swan and Seneca St., awarded to JOSEPH F. STABELL CONSTRUCTION CO., Niagara St., Buffalo. Estimated cost, $110,693. George H. Norton, City Engr.

N. Y., Mt. Vernon—Contract for sewers awarded to FRED W. BURNHAM, 30 East 42nd St., New York, N. Y.

N. J., Jersey City—Contract for pipe sewer in Wade St. to connect with sewer in Ocean Ave., awarded to CHARLES O'NEILL. Noted Nov. 18.

Md., Baltimore—Low bids received for lateral sewers in District No. 34C, Sanitary Contract No. 170 were from Glass & McAleer, 2030 Hartford Ave., Baltimore; in District No. 39C, Sanitary Contract No. 171, W. H. & C. F. Thompson, 530 East 70th St., Baltimore. Noted Nov. 25.

Ala., Citronelle—Contract for sewer system awarded by city to J. W. GURLEY & CO., Mobile. Estimated cost, $28,000. Edgar B. Kay, Tuscaloosa, Engr. Noted Oct. 14.

Ohio, Springfield—Low bids for constructing a number of sewers in various streets were received from Huonker & Krumholtz, at $4,579 and R. J. Cavanaugh, at $4,857. Noted Nov. 15.

Ind., Mishawaka—Contract for sewers in Wenger Ave. from Lincoln Highway to Homewood Ave. awarded to M. SMITH, Elkhart.

Ind., Wabash—Contract for sanitary sewers in Thorne and Market St., awarded to GEORGE E. HIPSKIND. W. L. Agan, City Engr.

Mich., Grand Rapids—Board of Public Works awarded contract for sewer in Sheridan Ave. to DEBRUINE & NEUWSEN.

Minn., Belle Plaine—Contract for sanitary sewers in Market, Forest and Meridan St. awarded to ILLSTRUP & OLSEN, Minneapolis. Estimated cost, $6,804. Noted Dec. 2.

Minn., St. Paul—(Official)—All bids rejected for sewer in Eaton St. O. Claussen, City Engr. Noted Dec. 16.

Minn., St. Paul—Contract for installing 4,300 ft. 15-in. to 36-in. sewer awarded to TANNER BROS., Detroit, Mich. Estimated cost, $24,490.

Kan., Cherryvale—(Official)—Contract for sewers in District No. 2 awarded to AXTEL & OLDHAM, Kansas City, Mo. Estimated cost, $14,401. Noted Nov. 25.

Kan., Hutchinson—(Official)—Contract for sanitary sewer for Hyde Park addition awarded to J. H. SHEARS & SONS, Hutchinson. E. Metz, City Clk. Noted Oct. 21.

Neb., Lincoln—(Official)—Contract for storm sewer in J St. awarded to CATHROE CO., Omaha, Neb. Estimated cost, $5,391. T. H. Berg, City Clk. Noted Dec. 16.

Tex., Houston—Contract for sewer improvements awarded as follows: HORTON & HORTON, Burnett St. sewer, at $70,500; Paschal St., North Main to Cochran St., at $17,600; DAVIS BROS., White Oak and Florence St. sewer, at $2,000. E. E. Sands, City Engr. Noted Dec. 9.

Ore., Portland—Contract for sewers in various streets awarded to W. S. WEAVER, Portland. A. L. Barbour, City Clk. Noted Sept. 30.

Calif., San Francisco—(Official)—Low bidder for sewer system in South Bay View District was Tibbetts-Pacific Co., 16 California St., San Francisco, at $37,788. M. M. O'Shaughnessy, City Engr. Noted Dec. 2.

Ont., Hull—Citizens will install sewers in Scott and Chateauguay St. by day labor. J. P. A. Laforest, City Engr.

Ont., Ottawa—City will construct sewer by day labor. Estimated cost, $425,000. F. C. Ashwith, City Engr. R. S. & W. S. Lea, 10 Cathcart St., Montreal, Que., Consult. Engr. Noted Nov. 4.

Ont., Sarnia—Contract for sewers in Stewart St., N., Stewart St., S., and William St. awarded to PATRICK CORRIGAN. Estimated cost, $4,626.

Ont., Toronto—Contract for sewers in various streets awarded to W. E. TAYLOR, 43 Clinton St., Toronto. Estimated cost, $22,000. Noted Dec. 16.

GARBAGE

Proposed Work

N. Y., Binghamton—John A. Giles, City Engr., recommended to City Council construction of garbage incinerating plant on Noyes Island. Estimated cost, $110,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by J. T. Fetherston, Comr. of Street Cleaning, Municipal Bldg., until noon, Jan. 18, for final disposition of garbage from boroughs of Manhattan, Bronx, Brooklyn and of City of New York on city land. Form No. 2.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received until noon, Jan. 18, at Room 1247, Municipal Bldg., Borough of Manhattan, for disposal of garbage for period of five years in Boroughs of Manhattan, Bronx and Brooklyn. (See adv.) Plans and specifications on file at office of "Engineering News," 36th St. at Tenth Ave., New York.

Ohio, Cleveland—Bids will be received until noon, Jan. 4, by Adam H. Graham, Dir. of Pub. Ser., for disposal of garbage for period of two years, from Apr. 1, 1916, to Apr. 1, 1918.

Ohio, Columbus—Bids will be received until noon, Jan. 4, by George A. Borden, Dir. of Pub. Ser., for purchase of garbage grease and tankage produced at Municipal Reduction Plant.

Wis., West Allis—Bids will be received until 7:30 p.m., Jan. 3, by E. J. Oberst, City Engr., for municipal garbage incinerator. Estimated cost, $5,000. Noted Dec. 2.

Bids In and Contracts Awarded

N. Y., Utica—Contract for collection and removal of garbage for five years, from Jan. 1, 1916, to Dec. 31, 1920, awarded to DANIEL T. BECKER and JOHN J. O'NEILL, Utica, at $125,940.

N. Y., Utica—Contract for cleaning paved streets of city for five years from Jan. 1, 1916, to Dec. 31, 1920, awarded to HARRY W. ROBERTS CO., Utica, at $332,400.

Penn., Philadelphia—Contract awarded by Department of Public Works for collection and disposal of garbage for 1916 to PENN REDUCTION CO., at $373,588. Noted Nov. 111.

Del., Wilmington—Board of Health awarded contract for disposal of garbage for period of nine years to WILMINGTON SANITARY CO., at $81,500. Noted Oct. 21.

STREETS AND ROADS

Proposed Work

Mass., Cambridge—City Council has appropriated $50,000 for paving Massachusetts Ave. from City Hall to Quincy Sq., and $7,000 for paving Munroe St.

N. Y., Dryden—Stone road will be constructed from Dryden and Groton town line at McLean through DeBoudre's Farm on Dryden-Courtland macadam road.

N. Y., New York—(Borough of Brooklyn)—Official)—Bids will be received by L. H. Pounds, Borough Pres., until 11 a.m., Jan. 6, for furnishing and delivering asphalt, granite and wood paving blocks, 5,000 bbl. portland cement and 2,000 cu.yd. paving sand.

N. Y., Syracuse—Council considering proposition to extend Massena St. through to intersection of Tully and Ontario St. Estimated cost, $100,000.

N. J., Jersey City—Bids will be received by J. C. Sweeney, Clk., Blvd. Comrs., until 11 a.m., Jan. 5, for 40,000 gal. asphaltic road oil, 100,000 gal. asphaltic road binder, about 4,000 yd. crushed stone, 12,000 ft. wire No. 6 and 8 and 750 gal. engine oil.

W. Va., Clarksburg—Press reports state that citizens of Portland District, Preston County, contemplate $250,000 bond issue for road from Albright on Morgantown & Kingwood R.R. to Maryland state line.

W. Va., Morgantown—Bonds for $300,000 sold for road improvements in Morgan District.

W. Va., Welch—Citizens voted $293,000 bonds for road construction in Sandy River District, McDowell County. Noted Nov. 18.

N. C., Greenville—Bonds for $50,000 voted by citizens of Pitt County, Chicod Township, for road work. S. A. Congleton, Chn. of County Comrs.

Ga., Atlanta—Commissioners of Fulton County contemplate 2-mile boulevard around lake at Lakewood.

Ga., Atlanta—Ivy St. will be paved with asphalt from Peachtree St. to Edgewood Ave. Estimated cost, $13,600.

Ga., Savannah—Appropriation of $65,000 made by city for street improvements.

Ga., Tifton—City will issue $10,000 bonds for paving.

Fla., Gainesville—(Official)—Bids will be asked in two or three months for paving portion of University Ave. and extending sewer system. Citizens recently voted $21,000 bonds for this purpose. Noted Dec. 16.

Fla., Palatka—County plans to build sand asphalt road to Orange Springs, 18½ miles. Estimated cost, $77,850.

Fla., St. Augustine—Bids will be received until Jan. 4 by I. I. Moody, Chn., Comrs. of St. Johns County, for paving King St. from San Sebastian Bridge to Horn Rd. with brick.

Miss., Gulfport—Board of Supervisors of Harrison County contemplates $200,000 bond issue for boulevard along sea front.

Miss., Jackson—Bids will be received by W. W. Downing, Chancery Clk., until Jan. 4 for surfacing about 5 miles of road.

Tenn., Columbia—City Council will improve West Seventh, Garden and Railroad St. with asphaltic concrete.

Tenn., Columbia—Maury County Highway Commissioners will build road from Hampshire to County line, about 3 miles.

Tenn., Jonesboro—Citizens voted $425,000 bonds for road construction. Noted Nov. 18.

Tenn., Murfreesboro—Citizens defeated $175,000 bonds to purchase and maintain turnpikes. Noted Sept. 30 and Nov. 4.

Tenn., Nashville—City Commissioners appropriated $146,130 for paving in 1916. W. W. Southgate, City Engr.

Ky., Somerset—Citizens of Pulaski County defeated $300,000 bonds for roads. Noted Sept. 16.

Ohio, Akron—Plans will be prepared for repaving Exchange St. from East Market St. to Portage Path.

Ohio, Akron—Commissioners of Summit County contemplate an expenditure of $372,000 for road work next year.

Ohio, Cleveland—Commissioners of Cuyahoga County will pave West Lake Rd. next spring. Estimated cost, $200,000.

Ohio, Independence—(Official)—Bids will be received by Arthur J. Goudy, Village Clk., until noon, Jan. 8, for sidewalks on Brecksville Rd. between Station No. 178 and 230.

Ind., Columbia City—Bids will be received until 2:30 p.m., Feb. 9, by T. A. McLaughlin, Audr., Comrs. of Whitley County, for road on line between Whitley and Noble Counties.

Ind., Columbia City—Bids will be received by T. A. McLaughlin, Audr., Comrs. of Whitley County, until 1 p.m., Feb. 9, for three gravel roads in Smith Township.

Ind., Ft. Wayne—(Official)—Bids will be received by Board of Park Commissioners of City of Ft. Wayne until 4 p.m., Jan. 17, for improving Rudisill Blvd. from west property line of Piqua Ave. to east property line of Broadway.

Ill., Dixon—According to press reports plans are being considered for $750,000 bond issue for road improvements.

Ill., Galena—City plans to pave a number of streets next spring.

Ill., Galena—Election will be held in Kane County next spring to vote on $1,500,000 bonds for State-aid highways.

Ill., Ottawa—Board of Supervisors of La Salle County contemplate $500,000 bond issue for road work.

Ill., Peoria—Board of Local Improvements plans to pave Elm St. between Adams St. and Reed Ave. with brick. Estimated cost, $6,051.

Wis., Washburn—Plans being prepared for street improvements during 1916.

Iowa, Clinton—Bids will be received by city until Jan. 11 for paving seven blocks in downtown district with brick. Estimated cost, $53,678.

Minn., Carlton—Bids will be received by A. R. Norman, County Audr., until 10 a.m., Jan. 7, for State Rural Highway No. 11. Estimated cost, $32,885. C. D. Conkey, Engr.

Minn., St. Paul—(Official)—Bids will be received by A. Hohenstein, Pur. Agt., until 10:30 a.m., Jan. 3, for grading and improving Osceola Ave. from Lexington Ave. to Dunlap St.

Neb., Omaha—Plans approved by City Commissioners for boulevard from Fontelle to Miller Parks.

Mo., Kansas City—According to press reports movement is on foot to rocksurface the Osage Valley Highway between Kansas City and Springfield.

Mo., Mountain Grove—Bonds for $45,000 voted by citizens for road work.

Mo., Platte City—Board of Supervisors of Platte County plans bond issue for 139 miles of rock roads.

Mo., St. Louis—Bids will be received by E. R. Kinsey, Pres., Bd. of Pub. Ser., until noon, Jan. 7, for grading Taylor Ave. from Broadway to Florisant Ave.

Ark., Waldron—Surveys will be made by State Highway Department, Little Rock, for road from Waldron to Coaldale, 22 miles.

Tex., Dallas—O. H. Lang, City Comr., will submit plan to citizens for paving all streets of city. Estimated cost, $7,500,000.

Tex., Denison—Bids will be received by Commissioners of Grayson County until Jan. 12 for improving highway system. Estimated cost, $1,150,000, of which $900,000 is now available. J. C. Field & Co., 105 Field Bldg., Consult. Engr.

Tex., El Paso—Commissioners of El Paso County contemplate an expenditure of between $100,000 and $125,000 for improving Upper Valley Rd.

Tex., Graham—Citizens of Graham District defeated $35,000 bonds for road improvements.

Tex., Grand Saline—Election will be held Jan. 10 to vote on $16,000 bonds for street improvements.

Tex., La Grange—Election will be held in Fayette County, Commissioners Precinct to vote on bonds for 70 miles of road. Schulenberg portion of National Highway. J. C. Baumgarten, Pres.

Tex., Lockhart—Election will be held Jan. 22 to vote on $50,000 bonds for highway construction. Noted Dec. 9.

Tex., Lufkin—Election will be held Feb. 26 in Angelina County, Lufkin Precinct, to vote on $200,000 bonds for road construction.

Tex., Sulphur Springs—Citizens voted $100,000 bonds for road improvements in Precinct No. 1. Noted Nov. 18.

Wash., Seattle—Bids will be received until Jan. 11 by Commissioners of King County for road from Hazelwood to Newport, part of Permanent Highway No. 13. Estimated cost, $25,000.

Wash., Seattle—Bids will be received until Jan. 16 by Commissioners of King County for Permanent Highway No. 12.

Wash., Walla Walla—City contemplates expenditure of between $75,000 and $100,000 for paving various streets next year.

Ore., Astoria—Bids will be received about Jan. 1 for paving Commercial St.

Ore., Portland—City Council plans to improve East 29th St. from Belmont to East Stark St. and East Washington St. from East 29th to East 31st St.

Bids In and Contracts Awarded

Mass., Boston—(Braintree)—Contract for road in Barnstable Township, Braintree, awarded to THOMAS & MURPHY, Middleboro, at $9,839.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Dec. 20 for repairing asphalt pavement on marginal streets and piers, North, East and Harlem Rivers, about 13,000 sq.yd., as follows: Uvalde Asphalt Paving Co., $1.34 per sq.yd.; Barber Asphalt Paving Co., $1.375 per sq.yd.; Sicilian Asphalt Paving Co., $1.38 per sq.yd. Noted Dec. 16.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Dec. 21 for wood-block pavement in team gangway and wagon way spaces of municipal ferryboat

"Mayor Gaynor," from Franklin Contracting Co., 52 Vanderbilt Ave., New York, at $2,800, and Richard Lamb, at $3,520. Noted Dec. 16.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Dec. 21 for wood-block pavement in team gangway and wagon way spaces of municipal ferryboats "Bayridge," "Gowanus" and "Nassau," from Franklin Contracting Co., 52 Vanderbilt Ave., New York, at $12,700, and Richard Lamb, at $16,737. Noted Dec. 16.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Dec. 21 for wood-block pavement in team gangway and wagon way spaces of municipal ferryboats "Manhattan," "Brooklyn," "Queens," "Bronx" and "Richmond," from Franklin Contracting Co., 52 Vanderbilt Ave., New York, at $15,400, and Richard Lamb, at $18,799. Noted Dec. 16.

N. J., Jersey City—Contract for improving Newark Turnpike awarded to WILLIAM BAKER, INC., at $480,000.

Md., Baltimore—Contract for paving Pratt St. from Linwood Ave. to east city limits awarded to BALTIMORE ASPHALT BLOCK AND TILE CO., Monroe and Lorman St., Baltimore. Noted Dec. 16.

N. C., Lincolnton—Contract for paving Main St. and constructing 20 blocks of sidewalks awarded to NOLL CONSTRUCTION CO., Chattanooga, Tenn.

Fla., Jacksonville—Contract for paving awarded to H. H. ENBODY, Aurora, Ill. Estimated cost, $40,000.

Fla., Tarpon Springs—Contract for constructing sidewalks awarded to SOUTHERN CONCRETE AND CONSTRUCTION CO., Tarpon Springs and St. Petersburg.

Ohio, Cleveland Heights—(Warrensville post office)—Contract for grading and flagging South Woodland Rd. awarded to J. W. CHAPMAN, 1653 Ridgefield Rd., Cleveland. Estimated cost, $25,176.

Ind., Anderson—Commissioners of Madison County awarded contract for four gravel roads to RAYMOND STEPHENS, at $2,120, $2,150, $6,300 and $3,575, respectively; two gravel roads to MADISON CONSTRUCTION CO., at $2,000 and $1,349, respectively. Noted Nov. 25.

Ill., Rock Island—Contract for paving Eighth Ave., and 24th and 29th St. awarded to McCARTHY IMPROVEMENT CO. Estimated cost, $15,052. Noted Dec. 16.

Tex., Clarksville—Contract for system of highways including bridges, culverts, etc., for Road District No. 1, Red River County, awarded to TEXAS NATIONAL CONSTRUCTION CO., Clarksville. Estimated cost, $300,000. J. R. Johnson, Engr. Noted Dec. 2.

Tex., Dallas—Contract for paving Bishop Ave. from Jefferson to Davis St. awarded to STANDARD ENGINEERING AND CONSTRUCTION CO., at $18,023.

Tex., Liberty—N. A. DAWSON, San Antonio, at $25,000, awarded contract for gravel highway on road from Liberty to Livingston.

Tex., San Saba—San Saba County Commissioners awarded contract for constructing and improving sand-clay roads to HORACE H. SHELTON, San Antonio. Estimated cost, $50,000.

Okla., Muskogee—Contract for road improvements in Muskogee County awarded to H. B. WILSON, at $8,000. J. B. Clonts, County Engr. Noted Nov. 11 and Dec. 16.

Wash., Olympia—Contract awarded to S. G. KINDER, Bridgeport, at $7,568 for surfacing with gravel 12 miles of Sunset Highway, Wenatchee northerly.

Wash., Olympia—Contracts for highway work awarded as follows: G. L. STICKLER, Davenport, $23,887, for 8¾ miles, Inland Empire Highway Pullman South; H. L. WILSON CO., Walla Walla, $16,945, for 11½ miles, Inland Empire Highway Kennewick West, Kiona to Richland; G. L. STICKLER, Davenport, $22,639, for 9½ miles, Inland Empire Highway Walla Walla West, Touchet to Wallula; GENERAL CONSTRUCTION CO., Spokane, $21,646, for 9 miles, Insland Empire Highway Rosalia to Oakesdale. Noted Dec. 2.

Wash., Seattle—Vahlbusch-Holmes Co., 2332 First Ave., Seattle, at $13,980, submitted lowest bid for grading Rainier Ave. A. H. Dimock, City Engr.

Ore., Portland—Oregon Hassam Paving Co., at $7,512, low bidder for paving Summit Drive District with hassam, and Manning & Co., at $7,672, for concrete.

INDUSTRIAL WORKS

Proposed Work

Mass., Malden—Commonwealth Acid Phosphate Co. has purchased a site in Wellington District, Malden, on which it plans to construct a plant. Henry C. Sawyer, 53 State St., Boston, Agent.

Mass., Wellington—(Boston post office)—Commonwealth Acid Phosphate Co., recently organized, will build plant. Estimated cost, $250,000. Willard Welsh, 15 Exchange St., Boston, interested.

Conn., New Milford—Press reports state that bleachery to be known as Robertson Bleachery will be constructed at New Milford. Estimated cost, $800,000.

N. Y., Amsterdam—A. V. Morris & Son, Ft. Johnson, plans to rebuild plant at Amsterdam which was recently destroyed by fire with a loss of $100,000.

N. Y., Elmira—Plans being prepared for additions to plant of Fold-Easyhouse Manufacturing Corporation, recently incorporated with $250,000 capital stock. M. C. P. Parker, Pres.

N. Y., New York—(Borough of Brooklyn)—Plans being prepared by John C. Wandell for two-story, 40x100-ft. garage on 40th St. for W. R. Thomas. Estimated cost, $15,000.

N. Y., New York—(Borough of Queens)—(Official)—We have been informed that S. Sugar, 600 West 181st St., New York (Borough of Manhattan), is Arch. for proposed two-story factory for H. W. Beyer & Co., 507 West 50th St., New York, and not National Fireproofing Co., 949 Broadway, New York, as stated in our issue of Dec. 9.

N. Y., New York—(Borough of Queens)—Bids will soon be received by William Higginson, Arch., 13 Park Row (Borough of Manhattan), for 100x364-ft. factory and garage near Northern Ave., Long Island City, for Degnon Realty and Terminal Improvement Co., to be occupied by Rome Manufacturing Co., 149 Broadway, New York.

N. Y., Niagara Falls—Hooker Electrochemical Co. will build addition to plant. Estimated cost, $1,000,000.

N. Y., Niagara Falls—International Acheson Graphite Co. will build addition to plant. Estimated cost, $100,000. W. Acheson Smith, Gen. Mgr.

N. Y., Schenectady—General Electric Co. will construct addition to its plant. Estimated cost, $25,000.

N. J., Jersey City—Joseph Dixon Crucible Co. will erect four-story, 100x150-ft. addition to plant on Monmouth St. Estimated cost, $50,000.

N. J., Jersey City—Plans being prepared by William G. Massarebe, 15 East 40th St., New York, N. Y., for rebuilding six-story, 40x60-ft. factory on Sherman Ave. for Gylmann Realty Co., to be occupied by Alaska Chemical Co. Estimated cost, $30,000.

N. J., Trenton—Robert C. Maxwell Co. purchased site on East State St. and will build plant.

N. J., West Hoboken—Nairn Linoleum Co., Kearney, will build factory at West Hoboken. Estimated cost, $30,000.

Penn., Philadelphia—Plans prepared by Ballinger & Perrott, Arch., Philadelphia, for four-story factory, oxidizing building and two-story pump house for George W. Blabob Co., Philadelphia.

Penn., Philadelphia—Cover & Co. will build five-story ware house at 244 North Third St.

Penn., Philadelphia—Olney Ice Manufacturing and Cold Storage Co. will build plant at Duncannon and Mascher St. Peuckert & Wunder, 310 Chestnut St., Philadelphia, Arch.

Penn., Philadelphia—Plans prepared for four-story, 40x150-ft. warehouse at Front and Federal St. for Pennsylvania R.R. Co. A. C. Shand, Philadelphia, Ch. Engr.

Penn., Philadelphia—Pennsylvania Taximeter Cab Co. plans to build 10-story concrete garage on South Broad St. Estimated cost, $300,000.

Penn., Uniontown—Pennsylvania R.R. Co. will build freight house, warehouse and new yards. Estimated cost, $240,000.

Md., Baltimore—Board of Estimate contemplates building asphalt plant. Estimated cost, $20,000.

W. Va., Clarksburg—Sunnyside Orchard Co., recently incorporated with $80,000 capital stock, plans to build large canning plant on Reynolds Farm on Fairmont-Clarksburg Interurban Traction line.

W. Va., Wheeling—J. E. Moss Iron Works Co. will build addition. Estimated cost, $10,000.

N. C., Winston-Salem—P. H. Hanes Knitting Co. will build four or five-story addition to mill.

Ga., Columbus—Eagle & Phoenix Mills contemplates expenditure of $75,000 for enlarging its mills.

Fla., Jacksonville—Commodores Point Terminal Co. plans to build large wharf warehouse. A. G. Cummer and J. P. Taliaferro, interested.

Tenn., Chattanooga—Tennessee Stove Works contemplates addition. Estimated cost, $50,000.

Tenn., Knoxville—Southern Ry. will build and equip 73x480-ft. steel car-repair shed, 51x100-ft. workshop, 48,000 gal. tank for water supply, 37x92-ft. reclaiming shed, 52x400-ft. scrap dock, 32x100-ft. lumber shed at Coster Shops. Estimated cost, $200,000. W. H. Wells, Washington, D. C., Ch. Engr. Constr.

Tenn., Nashville—Tennessee Extract Co. will construct plant. Estimated cost, $250,000.

Tenn., Nonconnah—(Memphis post office)—Reported that Illinois Central R.R. contemplates building steel car plant. Estimated cost, $1,000,000.

Ky., Ashland—Ashland Steel, Iron and Mining Co. will build plant. Estimated cost, $1,000,000.

Ky., Ashland—United Gas and Fuel Co. will construct plant for purification of oils, manufacture of gasoline and production of petroleum byproducts. Estimated cost, $100,000.

Ohio, Akron—Crandall-Morgan Hardware Co. plans to construct warehouse at Cuyahoga Falls Ave. and Bewin St. Estimated cost, $10,000.

Ohio, Cincinnati—American Tool Works will build plant on Eggleston Ave. Estimated cost, $250,000.

Ohio, Cincinnati—John Steptoe Shaper Co. will build two-story, 65x85-ft. addition to plant on Colerain Ave. Anthony Kunz, Arch.

Ohio, Cleveland—Allyne-Ryan Foundry Co. will construct two additions to its plant at Aetna Rd. and East 91st St. Estimated cost, $15,000.

Ohio, Cleveland—Plans being prepared by E. F. Gibbons, Arch., 1900 Euclid Ave., Cleveland, for two-story addition to plant of Independent Towel and Supply Co., 1820 Central Ave. Estimated cost, $20,000.

Ohio, Cleveland—Richardson & Yost, Arch., 354 Rockefeller Bldg., preparing plans for factory at East 49th St. and Superior Ave. for National Telephone Supply Co. Estimated cost, $50,000.

Ohio, Cleveland—Plans prepared by George S. Rider & Co., Engr., 512 Century Bldg., Cleveland, for two four-story, 160x350-ft. and 143x512-ft. factories for Properties Co. O. M. Stafford, Pres. Noted Dec. 9.

Ohio, Cleveland—Rickerson Manufacturing Co., 912 Schofield Bldg., will build factory at Ottawa and Jones Rd. Estimated cost, $10,000.

Ohio, Hamilton—Chicago & Illinois Western R.R. contemplates roundhouse. W. B. Clark, Chicago, Ill., Pres. and Gen. Mgr.

Ohio, Norwood—United States Playing Card Co. will build four-story, 32x60-ft. addition to plant. Samuel Hannaford & Son, Cincinnati, Arch.

Ohio, Springfield—Plans prepared by W. H. Russ, Arch., Indianapolis, Ind., for four-story, 300x300-ft. addition to plant of Robbins & Myers Co. Estimated cost, $150,000. Noted Dec. 16.

Ind., Indianapolis—Centennial Building Co. will build garage at 10th and Meridian St. Estimated cost, $21,000.

Ind., Indianapolis—Link-Belt Co. will build addition to plant at Addison St. and Vandalia R.R. Estimated cost, $12,000.

Mich., Alpena—Michigan Alkali-Huron Portland Cement Co. will build 125x287-ft. addition to plant.

Mich., Detroit—Stroh Brewing Co. will build two-story reinforced-concrete ice plant on Columbia Ave. Estimated cost, $20,000.

Mich., Highland Park—Ford Motor Co., Detroit, will build addition to plant at Highland Park. Estimated cost, $1,000,000. Frank L. Klingensmith, Detroit, Vice-Pres.

Ill., Chicago—American Cocoa Nut Butter Co. will build three-story addition to plant at 2528 West 18th St. Estimated cost, $18,000. R. G. Pierce, Arch.

Ill., Chicago—H. H. Hanks Co., 4708 West 12th St., will build three-story grain elevator. Estimated cost, $12,000. D. S. Penticost, 127 North Dearborn St., Chicago, Arch.

Ill., Chicago—H. M. Hoyt, 22 Grove St. will build four-story printing plant. Estimated cost, $200,000. S. H. Corwen, 4511 Vinsens Ave., Chicago, Arch.

Ill., Chicago—Western Plumbing Supply Co., 3214-24 Fillmore St., will construct one-story warehouse. Estimated cost, $10,000.

Ill., Chicago—C. Wright, Muskegon, Mich., will build garage at 4868 North Clark St., Chicago. Estimated cost, $26,000. I. C. Saxe, 127 North Dearborn St., Chicago, Arch.

Wis., Fond du Lac—Bids will soon be received by J. E. Hannen, Arch., 74 South Main St., Fond du Lac, for two-story, 73x74x132-ft. garage and machine shop for J. W. Watson. Estimated cost, $15,000.

Wis., Kenosha—Thomas B. Jeffrey Co., manufacturer of automobiles, plans to construct two additions to its plant.

Wis., Manitowoc—Bids will soon be received by Juul & Sixta, Arch., Imig Bldg., Sheboygan, Wis., for two-story, 50x115-ft. garage and machine shop for H. W. Hagen & Co.

Wis., Milwaukee—Plans being prepared by Raulf Construction Co., Patton Bldg., Milwaukee, for 80x500-ft. foundry for Electric Steel Casting Co.

Minn., Minneapolis—Bardwell-Robinson Co. will build four-story, 50x150-ft. addition to plant at Second and 24th St. Estimated cost, $50,000. L. J. Bardwell, Secy.

Minn., Minneapolis—Plans being prepared by Kees & Colburn, Arch., for 12-story factory and warehouse at Fourth and First St. for Wyman, Partridge & Co. Estimated cost, $300,000.

Neb., Omaha—Omaha Ice and Cold Storage Co. plans to construct plant at 23d and Boyd St. Estimated cost, $85,000.

Mont., Billings—Yellowstone Packing Co., recently incorporated with capital of $300,000, will build packing plant. J. B. Henderson, Chinook, J. E. Jurtz and J. G. Hers, Billings, interested.

Mo., Kansas City—Kansas City Tire and Rubber Corporation will construct factory in Kansas City. P. E. Werner, Akron, Ohio, Vice-Pres. and Gen. Mgr.

Mo., St. Joseph—Standard Oil Co. contemplates factory and warehouse at Eighth and Monterer St. Estimated cost, $125,000.

Mo., St. Louis—Bids will be received about Jan. 1 by Barnette, Haynes & Barnette, Arch., Century Bldg., St. Louis, for eight-story building for Pulitzer Publishing Co., 212 North Broadway. Estimated cost, $200,000. Noted Dec. 16.

Tex., Dallas—Reported that Nelson Morris & Co., Chicago, Ill., contemplates packing plant at Dallas. Estimated cost, $75,000.

Tex., El Paso—Krakauer, Zork & Moye's Successors, Inc., will build 90x120-ft., three-story addition to plant. Estimated cost, $50,000. Trost & Trost, El Paso, Arch.

Tex., Marshall—Plans prepared for shops for Texas & Pacific Ry. C. H. Chamberlin, Dallas, Ch. Engr. Noted Oct. 28.

Okla., Blackwell—Planet Oil Co. will establish oil refinery. J. J. Brown, Jr., Box 813, Blackwell, Engr.

Colo., Denver—Ford Motor Co. will build four-story, 128x130-ft. addition to assembling plant. Estimated cost, $150,000. Charles Hendy, Jr., Local Mgr.

Idaho, Twin Falls—Amalgamated Sugar Co. plans to construct sugar factory at Twin Falls. L. R. Eccles, Mgr.

Wash., Northport—Northport Smelting and Refining Co. plans to build addition to smelting plant. Estimated cost, $200,000.

Wash., Seattle—Contract will soon be awarded for four-story, Class A warehouse at Juneau and Atlantic St. for Oregon-Washington R.R. and Navigation Co. to be occupied by American Paper Co. Estimated cost, $100,000. Noted Dec. 16.

Ore., Oregon City—Plans being prepared for reinforced-concrete addition to plant of Hawley Pulp and Paper Co. Estimated cost, $500,000. W. P. Hawley, Sr., Pres. Noted Dec. 23.

Ore., Portland—Studebaker Corporation of America plans to build eight-story reinforced-concrete building. A. L. Sumption, Portland, Mgr.

Calif., Los Angeles—Van Vorst & Berman Co., 1332 East Sixth St., will build three- or four-story, 80x200-ft. factory.

Que., Cap Magdeleine—Union Bag and Paper Co., New York, N. Y., will construct print and sulphide mill at Cap Magdeleine.

Que., Montreal—Steel Co. of Canada, 1272 Notre Dame St., W., will build addition to plant. Estimated cost, $25,000.

Ont., Arnprior—McLachlin Bros. will build addition to plant. Estimated cost, $500,000. G. H. Johnson, Engr.

Ont., Listowel—Plans being prepared for factory for F. W. Hay Shoe Co. Estimated cost, $15,000.

Ont., London—Plans being prepared for addition to plant of Spramotor Co. Estimated cost, $40,000. W. H. Heard, Mgr.

Ont., Mafeking—Mutchenbacker Bros. will rebuild lumber mill. Estimated cost, $20,000.

Ont., Orillia—National Hardware Co., 95 Barrie Rd. W., will construct addition to its factory. Estimated cost, $20,000.

Ont., St. Thomas—Wabash R.R., St. Louis, Mo., plans to enlarge its roundhouse and extend its trackage at St. Thomas. T. J. Frier, St. Louis, Mo., Pur. Agt.

Man., Winnipeg—McLaughlin Carriage Co. will build three-story, 84x225-ft. addition to plant.

Bids in and Contracts Awarded

Mass., South Framingham—I. Levinstein & Co., Inc., 74 India St., Boston, awarded contract to C. A. DODGE CO. for four-story, 74x206-ft. oil plant. Estimated cost, $60,000.

Conn., Chester—C. J. Bates & Son awarded contract for two-story, 40x80-ft. factory to WILLIAM J. SEXTON CO., 84 Boulevard, Hartford.

Conn., Hartford—S. K. F. Ball Bearing Co., New York, N. Y., awarded contract to STONE & WEBSTER CORPORATION, Boston, Mass., for one-story, 75x300-ft. and two-story, 75x150-ft. plant.

Conn., Waterbury—American Brass Co. awarded contract for one-story factory to H. WALES LINES CO., Meriden. Estimated cost, $17,000.

N. Y., New York—(Borough of Brooklyn)—Contract for one-story, 69x100-ft. garage on Thomas St. for Adolf Goebel awarded to M. ARMENDINGER & SON, 1153 Myrtle Ave. Estimated cost, $15,000.

N. Y., New York—(Borough of Manhattan)—Contract awarded to D. C. WEEKS & SONS, 1123 Broadway, for reinforced-concrete factory at 581 Water St. for David Dows, 120 Broadway. Estimated cost, $120,000.

N. Y., Rochester—Rochester Lift Co. will construct factory at 348-350 Whitney St. by day labor. Estimated cost, $50,000.

N. Y., Rochester—Vacuum Oil Co., 904 Exchange St., will construct filter and tank building, kiln and addition to boiler house by day labor. Estimated cost, $60,000.

N. J., Newark—Contract awarded to FREDERICK KILGUS, 13 South Sixth St., Newark, for addition to factory at Dickerson and Hecker St. for Superior Ivory Button Co. Estimated cost, $40,000.

Penn., Contesville—Midvale Steel Co. awarded contract for additions to plant to IRWIN & LEIGHTON. Noted Dec. 23.

Penn., Milton—American Car and Foundry Co. awarded contract for 100x200-ft. brick plant to WALSH CONSTRUCTION CO., Albany, N. Y.

Penn., Monongahela—Stauffer Chemical Co. awarded contract for 70x100-ft. warehouse to GEORGE HOOG CO., Keystone Bldg., Pittsburgh.

Penn., Philadelphia—Contract awarded to TURNER CONCRETE STEEL CO., 1713 Sansom St., Philadelphia, for concrete work in connection with construction of factory at 23d and Market St. for Kahn & Greenberg. Estimated cost of factory, $75,000.

Penn., Philadelphia—Contract for three-story, 45x71-ft. reinforced-concrete factory at Edgemont and Clementine St. for E. Sutro & Sons Co. awarded to WILLIAM STEEL & SONS CO., 1600 Arch St., Philadelphia. Estimated cost, $18,000.

W. Va., Huntington—Contract for structural steel for one and two-story, 90x100-ft. bakery and office building for Stroehmann's Vienna Bakery awarded to J. E. MOSS IRON WORKS, Wheeling. Noted Nov. 18.

Ohio, Akron—Contract for factory at 1025 Sweitzer Ave. for Star Rubber Co. awarded to CARMICHAEL CONSTRUCTION CO., Akron. Estimated cost, $30,000.

Ohio, Cincinnati—Contract awarded to D. MEINKEN for six-story, 100x250-ft. factory on Spring Grove Ave. for Huenefeld Co. Estimated cost, $200,000. Noted Sept. 30.

Ohio, Cleveland—Chisholm-Moore Co., 5046 Hamilton Ave., awarded contract for three-story, 30x70-ft. addition to plant to GEORGE B. McMILLAN CONSTRUCTION CO., 1794 East 57th St., Cleveland.

Ohio, Cleveland—Frantz Premier Co., Cleveland, awarded contract for factory on Ivanhoe Rd. to SAMUEL AUSTIN & SON CONSTRUCTION CO., 14230 Euclid Ave., Cleveland. Estimated cost, $10,000.

Ohio, Cleveland—Stenaeward Realty Co. awarded contract to HENRY G. SLATMEYER CONSTRUCTION CO., 203 Lakeside Ave., Cleveland, for factory at 2108 Superior Viaduct. Estimated cost, $10,000.

Ind., Elkhart—Crow Motor Car Co. awarded contract to GRANT BUSHNELL for 60x240-ft. addition to plant. Estimated cost, $10,000.

Ind., Terre Haute—Indiana Coke and Gas Co. awarded contract for plant to GAS MACHINERY CO., Cleveland, Ohio Estimated cost, $700,000.

Ill., Chicago—(Official)—Contract for hog hair house for Armour & Co. awarded to WOERMAN CONSTRUCTION CO., Suite 543, Century Bldg., St. Louis, Mo.

Ill., Chicago—Joseph Downey awarded contract for three-story warehouse at 2251 South Michigan Ave. to STRESENREUTER BROS. Estimated cost, $45,000.

Ill., Chicago—Evening American Publishing Co. awarded contract for two-story warehouse to WIEBOLT CONSTRUCTION CO. Estimated cost, $75,000.